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Lecture 59th

We proceed with the apoplectic the Lethargic Paralytic & Hydrocephalic States of Fever

The Apoplectic State of Fever

This proceeds in some cases from the same remote causes as Yellow Fever & Plague - Some persons suddenly die with apoplexy from the excessive force of the Miasmata of the Plague & Yellow Fever suddenly destroying the excitement of ye Brain - Apoplexy sometimes appears as an intermittent in form of a Tertian recurring every other day - The proximate cause is Morbid action in the bloodvessels of the Brain

Remedies for apoplexy are copious blood letting - It should be carried here to great extent and should be local by cupping as well as general purges ought to be prescribed as well as Glysters - Blisters should be applied to the head & Neck and Cataplasms to the feet - and a - . . . . Salivation - when Apoplexy appears in an Intermittent form Bleeding with blisters have been used good effect will result from prescribing the Bark

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Paralytic State of Fever

is less common than the Apoplectic - but does proceed from the same causes - it occurred in the yellow fever 1793 in several cases and sometimes in form of a paraphlegia where the use of the Inferior Extremeties were immoveable and where the Kidneys ceased to secrete urine -
The Remedies for Paralytic are copious blood letting - Local as well as general - Blisters Mercury so as to excite Salivation - and all the Remedies used in fever in general - they must all be accommodated to the state of the pulse - Where the urine is not discharged it should be drawn off with a catheter - the Salivation should be principally depended on in Chronic palsy - here it should be used 2 or 3 successive times - the above 2 states of fever are alike related to the Nervous & Arterial Systems -

The Lethargic Stat of Fever

This is merely a weaker grade of apoplexy - it occurs in many diseases & is called Coma -
It is cured by smaller quantities of the same Remedies as for Apopelexy & palsy -

1 Jl 37 g. Dr. Russel Clark Paris
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Hydrocephalic State of Fever

This Disease appears most commonly in Children from causes wh I have before enumerated - It does sometimes occur in adults from Chronic headaches & a variety of other complaints wh end in Hydrocephalus - It frequently comes on in consequence of Contusions blows & at all ages - It is still more common a Symptom of General Fever & hence occur most frequently in Epidemics when it often assumes the form of an Intermittent - It now & then occurs from the Suppression of any Customary discharge from the Skin or other Excretory - & now & then is a consequence of Pulmonary Consumption & Diarhoea this is merely a Translation of Morbid excitement from the Lungs & Bowels to the brain —

That the Water is the effect of the Morbid action in the Vessels of the Brain I infer - 1st from the causes wh induce it being the Same as produce Morbid action in other parts - 2nd from the Symptoms attending it - a hard quick & Slow pulse - & from pain 3rdly I infer it from the appearance of Inflamation - now & then to be found in the brain after death wh Inflamation is an effect of Morbid action. This appearance of Inflamation I found in 5 of 8 cases wh I disected after death from this disease In the other cases the absence of Inflamation was owing to Morbid action being so violent as to

transcend

transient Inflamation or else it may be attributed to the vessels having relieved themselves by the effusion of water —

4th I infer it from a Membrane being formed in Hydrocephalus as in Inflamation of the Pleura & in Synanchae Trachealis — For a Case of this kind I refer to my 2nd Vol Md Obs- mentioned to me by Dr Cox when in London — This Remarkable case amounts to a demonstration that morbid action is the proximate cause of the Hydrocephalic State of Fever — In consequence of this morbid action there now and then arises Inflamation but in the greatest number of Cases the vessels relieve themselves by effusion — & I hope here after to prove that the effusion in Ascites Anasarca &c as well as in Hydrocephalus is the effect of Morbid action as also the formation of Membranes and Analagous phenomena — for a History of the disease I beg leave to read an Extract from Dr Quins on this Subject (this Dr R. read wh took some considerable time) In this ~~History~~ of Dr Quins I find an account of Some Symptoms wh are always mentioned by authors — but wh by no means always occur of these the Strabismus or Squinting is not universal nor is the Dilated pupil nor the puking nor the pain — Patients frequently die of this disease without the annoyance of pain or in Short without any of the Diagnostic marks of the Disease wh have heretofore been So much relied on — Children are

Children are Subject to this disease at a very early period — I have known it in children not 6 weeks old proceed from Cholic Inflamation — A pain in the breast & Sickness at the Stomach are perhaps as invariable Symptoms of the Hydrocephalus as can be relied on — Dr Wistar informed me he saw a Case of Hydrocephalus in a Child where it proceeded from a Catarrh & where there was no pain — Dr Cannon informed me he attended a Child in this disease when there was no dilation of the pupil — Dr .. saw a Case prove fatal where 7℥ of water were found in the Ventricles of the Brain without any Dilation of the pupil or Squinting occurring —

That the Hydrocephalus is an Inflamatory State of Fever is inferred from the Remedies wh cure it in the first place Copious bloodletting — The good effects of this Remedy has been experienced by hundreds in this City where the practice is now generally adopted — before I was in the habit of using blood letting in Hydrocephalus I used to lose 29 of 30 patients, but since I have used this Remedy I have lost none where I have been called early in the disease & had uncontrolled government over my patients — & I have cured Several patients in the 2nd Stage of the disease after convulsion had come on and after water was probably effused — I am visiting now a young Lady from whom I took 100℥ of blood at 10 bleedings who is now recovering — In

In bleeding here we must not be governed entirely by the pulse but go beyond what it directs & bleed for the smallest degree of tension - for in the brain there is no outlet as in the Lungs & Bowels - Effusions here are fatal and are lodged in the ventricles of the brain

The 2nd Remedy is purges - these should be frequently used and always contain Calomel -

Blisters are to be applied to the Neck & head & should be used after bleeding so as to act as a counter stimulus to the disease - Cold Water & Ice should be applied to the head - Salivation should be excited - Where the disease is in the form of an Intermittent Bark may be used with advantage - the Cold bath should be also used especially when Morbid action is destroyed to prevent a Relapse - for when the Brain has been once weakened by this disease it is readily reproduced -

This disease first is still considered an incurable one in Great Britain - & other parts of Europe Dr. Monro a very little while since declared he had never seen it cured in his life

Dr. Littleton wrote to me a short time since informing me that he had read my publication on the subject and had tried the use of blood letting without advantage - I believe him but he used it as they do in all diseases in Europe very sparingly and not in sufficient quantity to cure the disease

The bleeding I repeat should be large &

frequently

frequently repeated — To the Lancet Sir. That Magnum Dei Donum, as Dr Mead Stiles Them — to the Lancet I Say belongs the credit of a Victo-ry over this Incurable disease — Since the prac-tice has been introduced to comon use we have abviated one great Reproach to the Healing Art — and we have dried up & prevented Rivers of Tears from the Eyes of our fellow Creatures — Since the adaption of this Remedy I am warranted in Saying that not more than one or two deaths occur in a year in this City from Hydrocephalus —

I Shall next proceed to treat of Nephri-tis but as the time is advanced I defer it till next Lecture ——

Lecture 52nd

Nephritic State of Fever

This State of fever is frequently induced by cal-culi and occurs in gout & Small pox as also in the Malignant State of Fever — where it occurs in Yellow Fever it depends on an Engorgement or chok-ing of the Kidneys in consequence of wh Secreti-on of urine is obstructed — It may be known by a Knawing pain in the Region of the Kidneys Sickness at the Stomach and vomiting pain and uneasiness of one thigh & Leg high colored

colored pale & muddy urine and the retraction of one of the Testicles in Men —

Diabetes — I have long wished for a Satisfactory theory of the production of this disease — I have thought much of the Subject but have been at length forced to retreat to the Unity of Disease for the explination & Theory I have prescribed Since that time has been supported by the Success attending practice founded on this Theory —

Diabetes has hitherto been considered as a Specific disease of the Kidneys but Many of the Symptoms Concur to prove it a fever — I Shall briefly enumerate a few of the Symptoms — they are a full quick & tense pulse — great heat & dryness of the Skin — a flushed Countenance great thirst pain in the Loins ——

Its causes afford additional proof of its being a Fever — The Remote causes are the Same as predisposition to fever generally viz Such as debilitate — Cold fatigue — acid drinks — and in general Such as produce debility either direct or indirect — or excess in Eating & drinking and drinks — water in excess debilitate by distention (indirectly) Medicines acting as Sedatives Sudden transition from cold to heat & vice versa and lastly by debilitating passions of the Mind —

In diabetes there is a frequent discharge of Sweetish watery Urine wh is greater in

in quantity than the water drank by the Patient
It has long been supposed that this additional quantity is absorbed from the atmosphere by the surface of the body – The Urine contains much Sugar – In one case 9 ℥ of Sugar were obtained from ℔j of Urine and in an other an ounce –
The Urine is of course less perfectly secreted owing to an engorgement of the Kidneys – hence in some cases too arises the Sour Smell of the urine indicative of this disease – That this disease is a Billious Fever I infer from the yellow color of the Eyes – Costiveness from the absence of bile in the Stools – and lastly the Stomach shows marks of disease in diabetis – by a morbid appetite by a vomiting of sweetish & acid liquors from it – but farther the system shews marks of general morbid action or Fever in Diabetis by a preternatural discharge of Sweat & Saliva the quantity & quality of ~~the ame~~ wh are altered by morbid action and have a sweetish Taste
This is analogous to the Change of the Glandular Secretions by morbid action – for example Morbid action of the liver gives us green black and acrid bile – Morbid action in the Salivary Glands (from what ever cause) gives us an abundance of Watery Saliva – Morbid action in the bowels gives us thin watery & inodorous Stools
But these Changes are not confined to the Glands
The

!! (bravo! says Dr. J S D)

The Lungs. the Stomach are also affected - the Acid Sweats appear to arise from the first grade of Morbid action where the Sugar wh composes the great & most nourishing part our diet is Changed by the Acetous Fermentation . . . .

. . . .

. . . . . complete animaliz-
ation -

By Some misterious Law of the animal circulation we find morbid action disposed to terminate in Effusion - when Situated in the Joints the effusion by wh the vessels are relieved is Chalk or calculus matter - when in the Soft parts pus is effused or Secreted - when bones are injured Bony matter is Secreted & I can readily perconcieve that Morbid action of the Kidneys may be terminated in effusion or Secretion of Sacharine matter - it is of much less consequence to know the Nature of the process than the degree of morbid action necessary to produce the changes in the Secretions - We Judge of this principally by the degree of Fever as indicated by the Pulse - this is quick tense & full in Diabetis also from pain in different parts of the body - these and the appearances above Spoken of give us good reason to conclude that Diabetis is a Billous Fever, of great morbid excitement!!

and this Theory is further proved by the Remedies proving Successful by wh we treat Billious Fevers

Fevers - These Remedies are in the first place Blood letting - the blood here is Sizy covered & some times with a buffy Coat - but the Morbid appearances of the blood varies, in some cases the Morbid action is so great as to produce the dissolved blood where the disease becomes Chronic and is not attended with much action blood letting should be prescribed as an alterative - here it should be in small quantity & frequently repeated - the blood it is said in these cases is less putrescent than in other diseases - I cannot speak of the success of the Remedies from my own experience having never seen but 3 cases of the disease and these in an advanced stage of it - one I saw in the beginning but was not permited to use my remedy to sufficient extent - after blood letting has been used frequently and copiously Emetics & Purges may be administered & Low Diet strictly adhered to after by these means the pulse is reduced - Tonics are to be had recourse to. as Allum Whey Bark & Steel - Opium in large doses - Mercury & Nitric acid has been strongly recommended by Dr. Scott in the East Indies - also an Animal diet Cold bathing - Constant but moderate exercise

In Scotland Fish oil is used by the Inhabitants for Diabetis - it is commonly to check the discharge by obstructing the pores & preventing the absorption of water from the Atmosphere

but I -

but I am disposed to think from experiments of Dr Seguin & Rutherford wh have been repeated with similar Results by Dr Rousseau that absorption only takes place by the Lungs - the Oil then I believe actually reducing morbid action as I have formerly observed it possessed a kind of Sedative power -

Sake Native Gout in prescribing Tonics that there is a great difference in prescribing them in Chronic cases in wh the Excitability is worn away - & in that State induced by blood letting the former State (where tonics may not be used) may be known by a pulsation in the Ears (this is imperfect bad)

I have said that I did not think we required any considerable addition to the Materia Medica

I believe it Still - & think that as good Language consists in proper words in the proper places - So the Cure of Diseases & the perfection of Medicine depends on a knowledge how to prescribe proper Medicines in proper time & place

Such of you as wish a particular account of this disease may consult the diff.t practical writers more especially Dr Home - Rollo & Hope

When the opinion of the unity of disease shall have become more general this disease I am I am persuaded will be considered as a form of Gout & When the Idea of the Simplicity of Medicine is Still more extended Gout will be considered as a form of Fever - and when

are

when our Science arives at that degree of perfection foretold in Scripture every form of Fever to wh the Human frame is Liable will be Swallowed up in the Single Name of DISEASE!

The Hydropic State of Fever

I have said that Morbid action in any part of the body if left to it self tends to effusion - these effusions are of diff.t kinds in diff.t parts to wh morbid action is determined - they are 1st Air - this we see takes place in the bowels in Bilious Fever I expect also that air is some times effused into the Cavities of the Joints & Mr John Hunter relates a case where air was effused into the Uterus

2nd Halitus or Vapor - this happens in Hysteria generally is most perceptible in the morning especially in the Eye lids 3rdly Serum in the Simple State this occurs in Hydrocephalus & now & then in dropsy but in Hydrocephalus the water effused does never coag-ulate whereas in other dropsies it generally does and of course contains a portion of coagulating Lymph

4thly Serum combined with a Small portion of coag-ulating Lymph - this constitutes the fluid effused in dropsies as in Hydrothorax

5thly Coagulable Lymph this most frequently takes place in the Kidneys - Lungs Joints Gall bladder Spleen Mesentery and it is probable the Same effusion at times as the Nucleus of Calculi - 6thly

Red

Red Globules, this is now & then effused into the Kidneys and in some ~~contagious~~ Contagious diseases forming Petechiae - 7thly of Serum Coagulating Lymph and red Globules - this arises in some diseases from the great force of the exciting cause wh. weakens the part afterwards and thus produces Coagulation or engorgement - the parts being so oppressed as not to react - or if they do act it is irregularly - where this is resolved by depletion we have Inflamm.n and where it is not Gangrene - here we see Dr Cullens deffinition of Infl.n is wrong - he makes it to consist in increased action but in this case we produce it by lessening action had he said in Infl.n there is an increas of Excitement he would have been right - In many Cases we find excitement going beyond action. 8thly We find an Effusion of bone from the ends of fractured bones - (their Vessels) this also is an effect of violent ~~inflammation~~ morbid action - Haller & Mr Hunter have considered this as Secretion —

Of these the effusion of Serum occurs perhaps most commonly it follows the Scarlatina Puerperal Fever. Rheumatism & Intermittents - half cured ~~inflamations~~ Intermittents often terminate in effusions especially in the Legs forming Anasarca where the water is effused into the Cavity of the Abdomen it constitutes Ascites - neglected Catarrhs and half cured Peripneumony are very apt to terminate in Hydrothorax, while Remittent bilious

Fevers

Fever tend more commonly to effusion in the Brain forming Hydrocephalus — I do not say that all cases of dropsy are arterial diseases - perhaps one in 20 may be disease of the absorbents but I am convinced 19 of 20 Cases of dropsy are Arterial diseases they do rarely occur from ~~I~~ Ruptured Lymphatics It proceeds as much from Morbid action a Schirrus or Gangrene — we Seldom See dropsical Swellings occur from debility Simply — we Should find it occur mostly in Old Men and yet how Seldom do we find them affected with dropsy? nay how Seldom then with Swellings of their feet tho they Spend whole years in the Chimney Corner in an Arm Chair - again how Seldom do we find persons recovering from a Typhus affected with dropsy! it is unknown after any disease in wh evacuations have been used to Sufficient extent It was formerly an objection to the use of the Lancet in Yellow Fever that it would produce dropsy 3rdly we Seldom find it occur after pulmonary Consumption — 4thly after Marasmus or Atrophy - 5thly we never See dropsy in persons who die of Inanition from famine where there must be the greatest degree of Direct Debility — Death never comes from this cause untill Morbid action takes place

Lastly I have never heard of a Single instance of dropsy from the most copious blood letting used for the Cure of Inflamatory diseases nor where

where blood in the largest quantity has been lost by hemorrhage from accident — The above facts tend to prove to a demonstration that Dropsy is never produced by Direct Debility — but that it is always an effect of Morbid action — We will be able to determine the degree of Action by the pulse at least in 19 cases of 20 — I am willing to allow that one case in 20 arises from Ruptured Lymphatics

From what has been Said Dropsies will naturally be divided into 2 kinds Such as are of moderate & Such as are of violent ~~action~~ Morbid action we will be able to determine the degree of action from the pulse — this has been too much neglected in the beginning of Dropsies — It possesses preternatural Slowness — fullness — or an intermission and in general almost as great a variety of pulses as occur in other fevers —

The Remedies for Dropsy are the Same as for Morbid action in the blood vessels — they consist first of Such as are proper for overcoming moderate action by their Stimulant power — and 2nd Such as reduce it by abstracting Stimulus as blood letting — Purging — vomits Diuretics — Diaphoretics &c &c — for a more particular account of the Symptoms & Cure of Dropsies I refer to my 2nd Volume of Enqu & Obs and Shall only observe here that Success almost universally attends

attends my practice in Recent Cases where I bled copiously in the Commencement & even in Chronic Cases I am more Successful than formerly as I am more regulated by the pulse and prescribe for the State of the System - I am not the first who used bloodletting in Dropsies tis the revival only of an old Remedy - Botallus used it above 100 years ago in France & I have only revived an old Remedy ——

Lecture 53rd

continuation of the

Dropsical State of Fever

I Shall add a few remarks on Dropsies as they Differ with respect to the Seat of the effused water

The Dropsy of the Brain has been Absorbed by means of a Salivation - Dropsy of the breast has been cured by bloodletting & Mercury - Digitalis has also been used with Success in Some cases

Hydrothorax for an account of the Symptoms of it I refer you to Dr. Cullen who has accurately described them - has been cured in many cases by repeated occasional Small bleedings - Squills - Mercury - & Digitalis - Dr. Physic cured a patient of it by 4 or 5 bleedings - the Squills are often given in form of Oxymel of Squills - the Oxymel of Colchicum has been alternated with Squills with great advantage

advantage — Dropsy of the Belly (Ascites) has been cured by a Salivation — Digitalis here does no good — where Ascites is of long standing — tapping does no good but hastens Death — I have known a case in wh half of the water was drawn off & the remainder intended to be taken off in 10 days. but in that period the remainder was completely absorbed and the patient cured — Mr John Hunter properly observes that Death is hastened by Taping in old cases of Ascites — the Stimulus of Distention wh appears to be necessary to the patients existence and when the water is drawn off he dies — I have seen moreover discharged from the Abdomen of patients laboring under Chronic ascites a green water & a milky fluid — the latter was 24 hours discharging it self — in 2 cases I have known Death to follow a leaking of water from the orifice after Tapping —

Besides the general Remedies for dropsy in Anasarca the following Should be used. 1st a recumbent posture frictions in the Morning and only upwards for obvious reasons Blisters are very useful in Anasarca — I have never known a Mortification from in consequence of them — A dread of this kept me long from using them — Punctures are extremely useful — I say punctures for Scarifications are not — they frequently terminate in Scarification Mortification but I have never known

known Punctures - & I have known a gallon of water discharged by a puncture in the Leg in Anasarca -

Hydrocele - there are 4 Methods in curing - 1st by a puncture of the tunica vaginalis - 2nd by incision - 3rd by Caustic - 4th by puncture to discharge the water and injection of wine to produce Inflammation - the last mode is preferable for its Simplicity and Certainty and the 1st Seldom cures Radically

The next in order is the

Eruptive states of Fever - these are the Small pox - Meazles - Chicken Pox - Scarlatina and a few other not worth mentioning - & the Erysipelas -

The Small Pox I have treated of in my ~~2nd~~ Vol of Md. Enq. & Obs. to wh. I refer you the Remedies ~~f~~ for it Should always be accommodated to the State of the System - The Malignant Small pox is obviated by copious bloodletting and afterwards Mercury in Such quantity as to Salivate in order to prevent the determination ~~for~~ to the Brain & Lungs - this disease is however seldom now Malignant - the practice of Inoculation is become So universal that the Small pox seldom puts on a Malignant form - on the Subject I refer you to Willan who has written very ingeniously on it and also to Huxham

For my

for my Observations on Inoculation see my 2nd vol
I shall only here notice a few ~~enumeration~~ . . .
wh occur - they will be useful as they tend to Shew how
improper are the Limitations prescribed by books to Dis
eases - 1st there is a difference as to time when the
Eruptive fever appears - I have known it from the
5th to the 8th & to ye 20th day where the Eruption occu
rrs on the 5th day - ~~when the Eruption occurs~~
on the 5th day it is highly malignant & generally
terminates fatally when the disease is taken in the
natural way - In Inoculation it comes on from
the 8th to the 14th days
2nd the Eruption sometimes occurs where the disease
has been taken in the Natural way on the 1st 2nd 3rd
4th & 5th Days of the fever - the Sooner it occurs
the more Malignant is the case -
Some times the small pox effects the Nose
exclusively & some times it destroys Life
without any Eruption -
3rd It varies for the most part as to the time of
the Continuance of the Fever during the Eruption
and in Some cases the fever terminates favorably
without an Eruption and in Some
the fever continues till the
Eruption is complete -

It differs again in the Nature of the effused
fluid in Some cases a Serous fluid is effused
in

In Same Lymph - & Same Red blood - the first most commonly occurs - the 2nd Terminates in in Suppuration & the 3d appears in form of Petechiae and is called the Petechial Small Pox - There is a difference in the duration of the Petechiae Suppurative fever from 7 to 20 days I have seen it continue for 20 days & terminate fatally on the 20th day

6th It differs as to the parts affected with it - It some times affects the Brain - the Lungs - the Limbs & the Lymphatic glands - like other fevers it changes its Seat and some times appears even in the Kidneys

7thly - there is some times a 2nd Crop of small Pox after the first has disappeared - I have seen a 2nd Crop brought on by exposure of the Patient to a Kitchen Fire - 8thly in some instances some persons escape the Small pox for many years - & many pass their lives without being affected by it tho exposed to the influence of its contagion of this I have known 2 instances -

9thly I would beg you to take notice first of a fact related by Haygarth that the Small Pox is neither contagious or infectious while the Harmattan winds blow - I have observed times in this City at wh it is much more difficult to inoculate so as to communicate the disease than at other times - So that I think its propagation is influenced by the State of the atmosphere -

The Anomalies of Failure in this disease from Inoculation

Inoculation are 1st a failure in receiving the Dis-
ease wh may be known by too great Inflama-
tion of the part punctured on the day of Inoculation
and by a Scab appearing on the 2nd or 3d days after
2nd No sore or Inflamation occurs on the Arm &
yet the Eruption appears on the 8th day - 3dly - a
Second Crop of Pock Some times appears 2 or 3
days after the first - & in one case a Pock appeard
on the Arm 3 Months after they had disappeard
5thly I have Seen the Small Pox taken a Second
time after the Eruption & Rash. —
2 Methods have been used in preparing Pat-
ients for the Small Pox - the one is by the use
of Mercury & the other is by purges - Dr Wilson
formerly a Student in this University informed
me that of 200 patients Inoculated prepared by
Mercury 1 of every 20 had an abscess in the
in consequence of the Inoculation but in the
year 1798 when we used Rhubarb & Jalap to
purge of 100 patients not one had an abscess —

Much has been written on the mode of Inoc-
ulation by the Matter of the Kine Pox - I was for-
merly prejudiced against it but from the testimony
of many Respectable medical Characters I am disposed to
think favorable of it - Mr Cline who was for-
merly prejudiced against it says of 30.000 Patients
inoculated with the Matter of Kine Pox not one

not one has proved fatal and of all these cases none have afterwards been affected with the Small Pox – but if a few cases it ought not to prohibit its becoming generally practiced since we know that some persons take the Small Pox twice –

For an account of the Miliary Eruption (Meazles) I refer you to Dr. Sydenham. Dr Watson in his medical enquiries has made some ~~enquir~~ observation on the Disease when it occurs in its putrid form – this I believe to be merely a higher degree of the common Disease wh requires more depletion – Bark & wine generally prove unsuccessful because the Stimulus is less forcible than that of the Disease – but in the commencement it might probably be usefull – but copious depletion should be used when the action is violent – A Diarhoe sometimes succeeds the Meazles wh is difficult to stop – the only Remedies here is a milk & vegetable diet exercise &c – this practice I adopt from Sydenham – but if these be unsuccessful bleeding will not fail where Tonics would increase it. The Cough wh sometimes remains after Meazles is relieved by the same treatment

For

For an account of Erysipelas I refer you to Dr Cullen and would only observe that I use more copious bleeding for its cure than he recommended — It now & then proves fatal from a deficiency of Bleeding — For all the other forms of Eruptive States of Fever I refer you also to Cullen & pass to the

Hemorrhagic State of Fever

Hemorhages occurs most frequently in the System of People Subject to plethora — When the Aliments or Ingesta exceed greatly the Excreta — from peculiar Circumstances of Growth & cessation of Growth — a Mal conformation by wh blood is determined to particular parts — When there is a venous or Arterial plethora we find Hemorhages common — it is said Veins possess greatest Strength in early life and yield according to the experiments of Wintringham (or some such Name) in this respect to the Arteries abt at the 36th year — hence we find venous hemorhages seldom occur till after that Period — Young people are liable to arterial Hemorhages from the Nose — & hence old people are most commonly affected with hemorhage from the Hemorhoidal Veins. to . . . . . Palsy - Apoplexy — young person have hemorhage from the Lungs from the Lungs & Nose the Arteries bleed — from

from the Hemorrhoidal vessels & vena portarum -
venous hemorrhage is most common and from the
Uterus hemorrhage of a mixed nature occurs -
Stahl divided Hemorrhage into active & passive - I reject the passive Hemorrhage entirely
I divide Hemorrhage into TONIC and ATONIC
They bear the same Relation to each other that
Inflammatory fever of great morbid action does
to Typhus - & yet there is in both more or
Morbid Action more or less - they are moreover acute & Chronic - the former is less
dangerous than ~~the latter~~ wh by effusion
tends to induce Pneumonicula - the states
of Hemorrhage are readily distinguishable by the
pulse - there is sometimes an alarming
Hemorrhage from trifling wounds without fever
tho I have never met with an account of such
in the Records of Medicine - Hemorrhages wh
prove fatal - these are to common Hemorrhages wh Petechiae are to Cutaneous fever without any change of the Arterial System - I
knew of one family & heard of an other in
wh the slightest wound proved fatal - the
predisposing cause of hemorrhage is debility
this occurs in every part of the body but is
the greatest at the surface hence hemorrhage
occurs most frequently in the Nose & Lungs wh

as I

as I before observed are continuation of the external Surface. There is greater debility in the Lungs for the predisposing cause of Haemoptisis than for the predisposing cause of Pneumony indeed Haemoptoesis may be properly enough called Pneumonia Cruenta - bloody Pleurisy and differs from the other Species of it only in the effused fluid wh in common is Lymphatic but in this case is Red blood - The Remote causes of Hemorrhage are such as are calculated to produce debility - 1st Sudden vicissitudes of heat & Cold in the weather hence occur most commonly in Spring & fall

2nd Sudden Dimenution in the weight of the atmosphere wh expands the blood - 3rdly what ever quickens the circulation as lifting heavy weights too much Exercise of any kind - also stimulating passions of the Mind as Joy - Anger - Joy causes a determination to the Lungs Anger & terror to the Brain - Venerial appetite to the Uterus &c - 4th exercise of particular parts as of the Lungs in hallooing - Coughing Sneezing &c - (these I call mechanical)

Hard Study seems to produce hemorhage - Cold on external parts causing determination to an other part as cold feet to the Lungs - 6thly great heat or ~~too great~~ pressure from too much Clothing - 7th extremes of heat or cold - a determination to a week part by habit - Animal Magnetism &c &c -

Before we speak of the general Remedies for

for Hemorrhage it will be proper to know - Is ye discharge Salutary? and Shall we depend on Nature for its Stopage? by no means Nature cannot be depended on here - bloodletting is much better since we may apply it to what extent we please and adapt the quantity to the state of the System - the Remedies then Should be 1st Blood letting - 2nd Cold applications of Air water & Ice - from the effects of this Remedy arises a proof of the proximate Cause of Disease - (Morbid action) wh is thus Reduced by abstraction of Stimulus -

3rd Purges & very active ones Should be used

4th Certain Medicines Said to possess a Sedative power as Nitre - Sugar of Lead &c - to prevent a Return of Bleeding when Morbid action is reduced by these Remedies gentle exercise Should be used a Diet of Salt Meat Milk & vegitables Should be used -

In the Atonic Hemorrhage - Opium Bark - alum - Steel - Cold bath - exercise Should be used -

I Shall now add a few words on the difft Species of Hemorrhage - they differ with regard to their Seats in diffnt parts of the body —

Haemoptoesis may be known by a dyspenea - may be distinguished from a discharge of blood from the Fauces and that discharged from vomiting from its more florid Color & in the

fauces the bleeding vessels can generally be seen and also by the general Symptoms of Pyrexia wh commonly attend — the predisposing cause is Debility the Remote causes the same as produce pulmonary Consumption — these are all of a Debilitating Nature three fourths of the cases of Haemoptoesis occur at Night when most debility is present — when it occurs in publick Speaking it is remarkable that it occurs not at the time of Speaking but afterwards

Mr Winchester who was much afflicted with this complaint made this observation in his own case — It seldom occurs however in persons who exercise their Lungs much — hence Lawyers Players — City Watchmen and Persons who sing moderately are exempted from it — the Clergy are an exception to this Rule — they are often affected with Haemoptoesis but in them I think it is owing to the alternation of heat & cold to wh they are exposed from over heating themselves in the pulpit and going thence into the cold air Mr B.......... who traveled through the U. States remarked that the quaker Ladies were more subject to it than others and he supposed because they used less exercise — I think it is owing to their not giving tone to their Lungs by Singing — The Germans in Pennsya who teach their Children to Sing almost as uniformly as to Speak

are

are exempt from it —

The Indications of Cure in Haemoptoesis are 1st to Lessen morbid action of the whole System 2ndly to obviate debility in the Lungs — and 3rdly to obviate debility of the whole System — and the Remedies under the first head are 1st Blood letting — this ought to be regulated by the State of the System indicated by the Pulse according to the degree of Inflamatory ~~Diathesis~~ Diathesis it Should be greater or less — 2nd Cold — this is an excellent Remedy in this disease — the Patient Should have a less quantity of bed clothes than common — the Late Dr Band was troubled 15 years with this complaint and cured him self by wraping him self in a Sheet wet with cold vinegar after having in vain tried every other Remedy — The 2nd Indication is to obviate morbid action in the Lungs this may be done with common Salt — it Should be taken in Large quantity it acts by creating an action greater than that of the disease — (acts by Sympathy between the Lungs & Fauces) It creates a burning Sensation in the Throat wh is propagated to the bleeding Vessels by Sympathy it is however only a paliative Remedy when disease of the Whole System exists — Opiates Should be used (only when Morbid action is reduced)

The next Indication is to obviate debility

debility of the whole System & prevent a Recurr-
ance of the disease - All the Remedies are here proper
wh were mentioned in the 3rd Stage of pulmonary
Consumption - A temperate Climate Exercise &c
Dr Bard prevented an attack for many years by
moderate bleeding before he expected one - the
time of Recurance he knew from Some prem-
onitory Symptoms

Is the Bark proper in this stage of the dis
ease - I have used it with Success after blood
letting Sir Name Sloane who first used
it in this complaint obviated the disease (to
wh he himself was very subject) and attained
the age of 96 by taking every morning for the
last 40 years of his life a dose of Bark

It is from the use of Bark in the 2 opposite
States of the disease that it has been said to be
improper giving it when there was Inflamatory
action - It is remarkable that persons who are
affected with it attain great age - The late
King of Prussia (Fredk II) had it during the 7
years war constantly and yet he lived till
75 - there is now living in Burlington an
Old Man near 90 who has had it for the
last 20 years of his life - in this case it
is acute -

Lecture

Lecture 54th

Hæmorhagic State of Fever continued

Hæmatemesis is a vomiting of Blood from the Stomach of a black grumous color - it may be known by this appearance from the Hæmoptoesis It is frequently produced by acrid Substances swallowed as Arsenic Corrosive Sublimate & the like also from contusions on the Belly wh Rupture a vessel of the Stomach - It has been occasioned in Some cases by a Sudden Stopage of the bleeding piles Cessation of the menses &c - the Remedies for it are the Same as for other hemorhages - bleeding Regulated by the pulse - after it is reduced by bloodletting Tonics may be given - I have seen the same good effects arise from the common Salt here as in Hæmoptoesis - its effect is here Vomitory - Moderate exercise should be used and all the exciting causes of Hemorhages avoided

Epistaxis or bleeding at the Nose

It is defined very accurately by Dr Cullen (quod vide) it is preceded by a pain in the head the discharge is of Arterial Blood Occurs most frequently in young people / tho some times in old - It is excited by many causes - Mr Bruce Says it was induced in him by a Sudden Gust of Passion (as anger) Intense Study has caused it - Picking the Nose

Dr. Barton

℞. Sachr. Saturni gr. ii cum Opii gr. j –
I some times combine Ipecac with it wh is in many cases a valuable addition –
I cured a lady who had lost much blood. ℞. Ipecac 4 grs Sach Satr. 8 grs white Sugar x grs – this I divided into 4 powders – one of these powders every hour –
In hemorrhage from the nose Snuff Sachr. Satr.
The Largest dose I ever gave is 8 grs with 1 of Opium – I think Sacr Satr. comes the nearest to a Specific in Hemorrhage than any thing else

Nose has caused it -

I have seen it twice fatal when it occurred in the Autumnal fever - the Pulse here remaining unsubdued by it and continued quick full & tense - the Remedies are to be accommodated to the State of the System - Blood letting should be used if the Pulse be active - Rest in a Recumbent or Sitting posture - plugs - these never failed in my practice except in the 2 cases I mentioned - they should be worn 2 or 3 days after the bleeding is stoped to prevent its Recurrence - Cold applications to the body & especially to the Scrotum should be used - To prevent its recurrence when bleeding is stoped ligatures around the Neck & bleeding the Nose should be avoided.

x **Hemorrhagia Uterina** occurs most commonly when the Menses have ceased - a Recumbent Posture is here Requisite and Cold applications should be made use of to the Pudenda - the application of flour is of great Service here - It appears to check hemorrhage by decomposing the blood absorbing its watery parts and thus producing a coagulation - This Hemorrhage is either Atonic[1] or Tonic[2] - In the Atonic State Opium may be used with advantage - In the Tonic Bloodletting is

same

Dr. Barton recommends Sacch Satt and gm Opii with Ipicac –

Some times requisite — In Chronic Cases I have used Large doses of Saccharum Saturni to great advantage — the disease is very apt to occur in Such Patients as are subject to miscarriage here gentle Exercise & occasional Blood letting Cure & prevent it 6℥ at a time is generally sufficient to be repeated when the pulse becomes active — a Diet should be ordered consisting of Salt Meat Milk & Vegitables

× **Bleeding Piles** — These are often an alarming Hemorrhage — It seldom occurs however without much action in the pulse & Blood letting should be used — also astringent Glysters & drinks — when depletion has been performed Laudinum — Tonics — Blisters — Bark &c may be used with advantage —

Hemorrhage from **Wounds** is some times troublesome to stop — Cold air is the best application I know of — hence the Number of Soldiers who recover of their wounds in the field of Battle — I am persuaded many of them would die if carried into houses — but the Coldness of the Night air stops effectually the Hemorrhage — A Huntsman told me a fact in proof of the utility of Cold in

in stopping Hemorrhage - that Deer when wounded always run to the Stream of water nearest at hand - however wet applications should be avoided - Lint & flour should be applied & compression -

I have some times seen a profuse hemorrhage succeed the drawing of a Tooth wh was trouble to stop - a Cork however answers the purpose - Saccharum Saturni should be used -

Amenorrhagic State of Fever

The absence or suppression of the Catamenia is almost in every Instance attended with Febrile Symptoms - and for this Reason we should always feel the pulse before we prescribe - it should be committed in all our prescriptions - It has always been considered as a Chronic Disease - this is a great mistake - the Pulse is full tense quick & there are all the marks of great febrile action -

Bloodletting should be used till the pulse is reduced - Purges should exhibited especially of Aloes wh is supposed to act specifical on the Rectum and by Sympathy would act on the Uterus - These Remedies are proper in the acute stage of it but the disease is

Some

Some times Chronic – & here Tonics may be properly used – Chalybeates – Calomel & exercise – without attending to the prise it is impossible to cure this complaint – I was unsuccessful in the application of the whole class of Emenagogues till I treated it as a State of Fever Dr Astruck Says that menses cannot be restored when they have been absent 7 years – this may be the case but they have been restored when they have been absent 2 or 3 years – In the Emansio- Mensium as it is termed the Vagina should be examined as the Symptoms often proceed from an imperforated hymen – of this I have seen 2 Cases –

Hemorrhoidal State of Fever

This disease is commonly Supposed a Local one but the whole System is brought into Sympathy and it becomes a general disease It is of course accompanied with a pain & heaviness ~~over~~ the head over the Eyes – pain in the Extremity of the Rectum – The hemorrhoids are external & Internal – the Latter are called blind Piles – it affects adults of all ages – Women More than Men – habitual use of Aloes – habitual Costiveness – long walking are apt to induce it

Mark

Dr Barton - an Ointment made of galls and hogs Lard is the best Topical Remedy with wh we are acquainted in treating blind Piles - 4 parts of Lard or butter and one of galls

This formul is hurtful where there is much febrile action

much riding on horse back frequently cause it in
Men - and Lastly it is a Symptom of Gout
We begin the Cure by bloodletting as much
as is indicated by the Pulse - Bleeding Should
be both general & Local - the only Country
where Leaches are not used for local Bleeding
is here they are very useful - I had last
winter 2 violent cases of this complaint - in one
I was called on the 3rd day - I bled 3 times &
took 3 pints of Blood - In the other I was called
on the 2nd day I was obliged to take 100z at 12
bleedings - fistula in Ano might be prevented
in 99 cases of 100. if Bloodletting were carried
to that extent Indicated by the pulse - Next to
bleeding gentle purges especially of Sulphur
Should be used - a Horizontal posture Should
be adjoined - this does more good where they
are external - Cold application to the part as
water & Ice Should be used - the Smoke of
Leather I have known useful - Certain Sedatives
(as they are called i e Active Stimulents) may be
used with advantage as Sugar of Lead but especially
the Strammonium Ointment - made of Strammonium
Leaves boild in Melted Cerate - I have used
as an external application the following
prescription - R. Sacharm Saturni - Pulv
Gallae Pulv. Opii a a ℈j Ungent[e] Stram-
monii ℥ss - Tar is useful & Tobacco in
some

Some cases does good — also a Solution of Sugar of Lead & white vitriol —

The Hepatic State of Fever — I have called this a Misplaced State of Fever (see my 4th Vol) It is called by writers Hepatitis — Its Symptoms Resemble those of the billious Cholic generally accompanied with fever — but in Some cases cases there seems to be such a Concentration of excitement to the Liver that Morbid action seems absorbed by it — It may generally be discovered by the pulse — Dr Cullen has described the Hepatitis as "accompanied by a Pain in the side extending to the Shoulder with an Inability to Lie on the affected Side" A yellowness of the Skin is noticed by some authors — but Dr Cullens account is the most accurate as the difficult decubitus is an invariable Symptom

I would only add that I have some times known attending as a Symptom of this disease an Inability to move the lower Limbs — This most especially occurs when the Liver is Suppurated

Patients are unable to Sneeze even when the most powerful Ster.------ .... are taken into the Nostrils — In some Cases the pulse continues Soft during the whole disease but most commonly it Shews Signs of Morbid action In Some cases the Skin is yellow & some not —

not — In some cases there is no pain — it proceeds from all the Causes producing bilious Fever

Professor Monro has divided it into acute & Chronic — I wish this division of Diseases was more attended to — Phrenzy & Phrenicula — Dysentery — Dysentericula — Rheumatism — & Rheumaticula — Pneumonia & Pneumonicula named as certainly obtain as the Chronic & Acute stages of Hepatitis — It some times is produced by gall Stones but is most commonly a misplaced bilious fever — The Liver disease of the East & West Indies is nothing but this bilious fever concentrated to the Stomach — its remote cause the same as yellow fever — Marsh Miasmata & Dr Girdlestone had added that its causes prove it to be a Bilious fever — Its exciting Causes according to the Doctor is Cold air Intemperance in Eating & Drinking & the Passions of the Mind — Exercise — bad Water — with too little & vegetable food — also improper use of Mercury — and in general the exciting cause of bilious Fever — it is some times preceeded by a Chill as the Remitting fever and it seldom affects persons under Puberty* — it is accompanied with a dislike to Bark & wine as in all bilious Fevers (now this is a Characteristic mark of yellow Fever) according to the observations of Dr. Clark of Dominick it affects men more than women in the proportion of 7 to 24 It is proven more

over.

monea ever to be a Bilious Fever by its cure - this cons-
ists in the first place of Bloodletting - Dr Clark
of St Domingo says the bleeding in order to prevent Sup
puration should be very copious - I drew from Mrs
Moffet 150 Oz without being able to prevent Suppu-
ration but I saved her life by the means (15 bleedings)

In some cases there is a translation of Morbid
excitement to the Brain or Lungs & bleeding must
be here copious to prevent Death - In some
cases of the Disease Bark may be used - there is
now & then a discharge from the stomach of Matter -
bile - or blood wh comes on with a Cholicky
Pain - The next Remedy is Mercury in sufficient
doses to excite a Salivation - The Mercury seldom
affects the mouth after Suppuration has commenced
owing to the Suppuratory action transcending that of
the Mercury on the Salivary glands - possibly this
may be the Reason we cannot salivate in Consu-
mption as is the fact - It occurs too in other states
of fever - Mercury has been observed never to
Salivate when it first produces sores in the Mouth
for the same Reason - It has been supposed to act
Specific in this disease - the Opinion Originated
in fancy it acts as in all other cases of fever
by exciting a safer action in the Mouth - there
appears here to be a metastatis of Errors as well
as of diseases - formerly each Disease as it appeared
~~in it~~ particular parts was supposed to have
a

a Specific Cure in the vegetable Kingdom - Hence the origin of the terms Lung wort Liver wort &c but Mercury appears more to absorb & unite all their virtues -

Since the discovery of the Proximate Cause of the disease - . . . .

Tis as absurd to multiply diseases & their Causes by their different Symptoms - as for Savages to place a particular Deity over each of the Elements - But the practice of those who adopt the Idea of the Unity of Diseases is as Rational as the worship of those who believe in the Unity of Deity - A physician may acquire some credit among his Ignorant Patients by making a display of his Knowledge of the Causes & the Symptoms of Diseases but they resemble a Child who supposes a Man who makes a display of 100 Cents much Richer than one who possesses a Single Dollar!!! -

The Inflamation of the Liver in this Disease does not always terminate in Suppuration - many cases occur where it ends in Schirrus and in some it terminates in an absorption of the Substance of the Liver - this occurred in the case of Sir Wm Jones his liver on dissection was found ~~absorbed~~ destroyed

destroyed and no part of it remaining but the blood vessels — the Cases where it Suppurates open differently — Some external through the Skin 2nd Internally in the body 3rd in the Cavity of the abdomen 4th It Sometimes perforates the Diaphragm & opens into the Cavity of the Thorax & into the Substance of the Lungs where it proves mostly fatal and 5thly & lastly into the pericardium — A case of this a Dr Clark mentioned to me — There is none of the Kind on Record to my Knowledge it occurred in the East Indies —

When the Abscess points Externally it ought to be punctured 2 of 3 recover where this is done but it is mostly fatal when it is allowed to open it Self —

Lecture 55th

The Scrophulus State of Fever

Scrophula has long been Supposed a Specific disease of the Lymphatics — It is So but seldom fails to bring the Arterial System into Sympathy — but in most Cases the affection of ye Glands is Secondary and the disease is Original Arterial — Most of the glands in the body are Subject to Scrophula — It appears in the breast Axilla — Groin Testicles &c —

But

But it is not confined to the Glands - The Muscles as the Psoae (i.e. the Psoas abscess are sometimes affected with it) these are External - the Internal parts subject to it are the Mesenteric Glands - Lungs Liver Spleen & Ovaria - It appears occasionally in the bones & is called Rickets - in the teeth it very frequently occurs - This disease is very common in England - Dr Whyte says he attended there in one of the Hospitals 1200 patients with Scrophula - I have not seen 100 cases in my practice during 40 years in this Country - It is very uncommon in this Country - the Rickets is still more so - in England it occurs frequently - Scrophula there is supposed originally a disease of the Lymphatics - but in Barbadoes where it frequently occurs it is thought properly to be an Arterial disease translated to the Lymphatics - Dr N---- very accurately describes it as a misplaced state of fever -

I am of this opinion for the following Reasons 1st because it is produced from the same remote and exciting causes as fever as Marsh Miasmata alternate exposure to heat & Cold - 2nd I infer it from the Coming on as other febrile diseases being preceded generally by a Chill and from its being attended with the Symptoms wh occur in fever Inflamation - pain hard quick & tense - & some times a Natural

natural pulse - This last occurs frequently in fever - the teeth & gums are black in Scroph-ula - the latter swelled as occurs as in other states of fever - Dr Wandy says the blood dra-wn is not sizy - this is true but this only proves that the action is too great to produce sizy blood or else not sufficient heath of the is after the case in other fevers - Dr Hillary considered it as fever & also Dr Wandy as a fever attended with great inflamatory action

3rdly I infer it to be a febrile disease from its attacking all sexes & ages - 4thly it prev-ails most in those Climates & Seasons of the year when other fevers are common - this disease was formerly unknown in Barbad-oes but it is now very common there - this is attributed to a change produced in the air by the clearing the Land - there are now no woods on that Island - The Scrophula is either Ideopathic or Symptomatic (i.e. mispl-aced Fever) To distinguish this however is a matter of no consequence - Since the remedies are to be the same and regulated entir-ely by the state of the System - Where the tumors are hard - Red - painful & Inflamed and a full tense & quick pulse Bloodletting & Low diet should be prescribed - In a Contrary State of the System where the tumors

appear

appear relaxed & the pulse is not active Tonics are to be used Sea Salt or Sea water also bathing in Salt water - Opium a generous diet & especially Mercury and exercise should be used - Bandages should be applied if the tumors appear on the Limbs - but in all prescriptions the State of the System must be attended to - it is frequently necessary to Change the Remedies half a Dozen times in this complaint and after using tonics to resort back to No S- &c as in pulmonary Consumption - The Scrophulous tumors are not to be neglected - Some practitioners advise to open them but I conceive this practice to be wrong & I think it never Should be done except where the abscess is situate over a large bloodvessel

The Scorbutic State of Fever

Many facts concur to prove the Scurvy a State of fever 1st first I infer it from its being produced by the Same causes (Remote & exciting) wh produce other fever - as Cold Penury of food or bad food - depression of Mind - Retained perspiration and also from Marsh Miasmata for a proof of a number of these Causes see Dr. Claiborn's Inaug Thesis - 2nd I

I infer it to be a State of fever from many of its Symptoms - as great debility in the Muscles - tense pulse Petechae on the Skin &c - I formerly Spoke of an Introverted Fever - (the Dysentery) this I conceive also a misplaced fever retroverted to the Skin & Suffocated there - These Symptoms are not to be neglected I have seen them prove fatal in Several Cases during Pestilential Epidemics - The Remedies for it Should be accommodated to the State of the System as Indicated by the pulse - I have heard of its being cured by aromatic Oils & acid Drinks together with a diet of Vegitables - the E Indians use Nitre & Vinegar with Success but we must not Suppose Scurvey a disease of the fluids - tis no Such thing the Solids are the Seat of it -

The Scurvey has 2 States the Tonic & Atonic as certainly as Plague and Yellow Fever - To Satisfy you of this & the Success of practice directed by a Knowledge of this I will read a Letter from Mr Moore - (Read) -

The Opthalmic State of Fever

of the Opthalmia Dr Cullen discribes Several Species - they are all more or less alike and to be treated as one Disease - for the most part tis a disease of the whole System - The

The Remote causes such as produce fever - the exciting causes are external violence to the Eye - particles of foreign Matter as of dust - Sand Iron Salt &c also excessive Light Riding or walking in the Snow heat &c - a very hot dry air has been proven to produce it - In Sienna it is often caused by the hot winds from the Desert of Nubia - In Surinam it is Endemic from Particles detached by carriages from the Calcareous Shells ~~with~~ wh. their Streets are paved - In Kentucky it is epidemic ~~from~~ ye Spring Season from the Pollen of Vegetables ~~harming~~ irritating their Eyes - In the Autumn it is often a Symptom of Bilious Fever from Marsh Miasmata or Rather the bilious fever is translated to the Eyes - but further it often proceeds from stimulating acrid vapor as that disengaged from Privies. This acts on the remote cause Ramazini noticed that those persons whose business consisted in Cleaning privies were much affected with Sore Eyes - great light frequently produces it - a hickery fire will cause Sore Eyes when an Oak one will not have that effect - Inverted Eye lashes has often produced it - Those persons who eat much Garlic & Onions are Said to be predisposed to it - Mr Volney Says Says in Grand Cairo the Inhabitants are very Subject to Opthalmia

from

from this cause — Acrid matter of any kind as Syphilitic — Scorbutic &c produce it ~~also~~ Also any Substance Stagnating in the excretories of the Sebaceous Glandules of the Tarsus —

The Venerial Disease appears Sometimes in form of Opthalmia — An unusual determination to the head has caused it —

The Remedies for it are the Same as for other inflammatory Diseases and must be accommodated to the State of the System — blood letting is necessary in every case but it must be general only where the pulse requires it — Topical always by Cuping Leaches & especially Scarrifications of the vessels of the adnata or Membrania palpebrarum — 2nd Purges Should be given when the whole System Sympathizes — Blisters Should be applied behind the Ears — and round the Eye or forehead & temple Topical applications of Cold water are useful in the first Stage of the disease Also a wash Should be used after morbid action is Subdued of a Stimulating Nature as Infusion of Oak bark — Dog wood Peruvian Bark & Opium is useful — Dr Physic mentioned to me the following prescription as an excellent one — R Opii ℈j

Gallar ʒij

aq Font ℥iv — M. f. Collyr. to be

to be dropt into the Eye once or twice a day — a Solution of Sugar of Lead or white vitriol or both answer very well — Electricity has been used with advantage where from Inflⁿ the parts had become Relaxed — Now & then Opthalmia is produced by an hair from the upper Eyelid being inverted into the Eye — this Should be extracted — Sand & other extraneous matter Should also be evacuated — an Eye Stone may be used for this purpose — but a method I have found very useful is to direct my patient to put his head into a buck-et of Clean cold water & keep open his Eyes as long as he is able — the matter will be most commonly worked out by this means — Smiths and people working in Iron have frequently Small particles of that metal lodged on the Eye Heldanus relates a Case in wh he was un-able to extract Such a piece of Iron by any means till he used a magnet when it was drawn out — When it proceeds from Stagnant matter become so by Stagnating in the Excret-ories of the glands of the Tarsus demulcent applications Should be used as an infusion of Quince Seeds Sassafras pith or any unct-ious matter — where it arises from Scrophula or Lues Venerea we are to treat the patients as if Labouring to Cure that disease — Mercury

Mercury Should here be used an ointment made of equal parts of Lapis Calaminaris & hogs Lard I have seen do wonders when the disease proceeded from acridity in the excretories - it acts by fortifying against the Eroding matter & Should be used at bed time - All irritation to the Eye Should be carefully avoided and the patient kept in a very moderate Light

Setons & Issues behind the Ears are of great use in obstinate Cases - Dr Campbell of Lancaster Says he has cured the disease by Opium when every other Remedy had fail'd this & Bark to be used only in the atonic State

Odontalgic State of Fever

This Disease consists principally in a pain in one or more of the Teeth - That it is a State of Fever I infer from its occurring at the season when Inflamitory fevers prevail - That it is inflamitory I have no doubt since the teeth are proven to be supplied with Arteries & veins - whether they have Nerves is not essential to our purpose - 2nd I infer tooth ache to be a State of fever because it occurs in sound teeth first - The Teeth do not ache always in consequence of Caries - but

but pain always precedes the Caries of teeth—
Some time the teeth do decay in tooth ache from
the effusion of Coroding matter — this matter when
poured out from carious teeth is so acrid as to
corode not only the Enamel of the Surrounding
~~teeth~~ healthy teeth but also the Silver wire
made use of to pivot & secure teeth in the gums
(artificial) 3dly The Toothache is unknown in those
countries wh are uniformly warm or cold
it is equally rare in Norway & Russia as in
the west Indies and other Countries in the
torrid Zone — It is very common in varia-
ble Climates — St Kitts is the only one of
the west India Islands where the tooth ache
prevails & there it arises from the cold tem-
perature of the water they drink — 4thly It pre-
vails mostly at that period of life when we
are most Subject to inflamatory fevers — it
Seldom occurs after 40 years of age — Thus
we may reasonably conclude the Cause of ye
tooth ache is Inflamation induced by the com-
mon causes — I reject as causes Sugar Salt
animal food &c — The French people on the
west India Islands who eat an immense qua-
ntity of Sugar and the Negroes have ex-
cellent teeth — they may excite pain when
the Enamel is eroded & the Nerve laid
bare but under no other circumstance

It

It occurs as we before observed in young people principally - Sometimes till 36 or 40 never later It is often attended with a quick pulse wh gradually increases 3 or 4 days and then ceases upon a Swelling taking place in the gums & cheeks

Sometimes the Swelling extends to the parotid or tonsil glands - Sometimes abcesses are formed between the teeth and Sometimes in the Jaw bone - the antrum Maxilare happens after a frequent Recurrance of the Tooth ache - In many cases there occurs a Sympathetic tooth ache - a tooth one Side Shall be inflamed and the one directly opposite on the other becomes painful - this takes place in the other parts of the body also - Dr Lister always had a tooth ache when his Stomach was Disordered and could cure it by giving tone to his Stomach with ½ a glass of Brandy

The Remedies for Odontalgia are extraction - This is the most universal but it can only be performed with propriety ... after the inflamatory Symptoms are gone off - if the tooth be extracted during the inflamitory action twice the pain & danger are experienced -

2nd. Purges are to be used when the System is affected - 3rd. Emetics - Mr Towens and says it is cured very completely by an Emetic

4th. Blisters behind the Ear of the affected Side

side this is an excellent Remedy — other ex ternal stimulant applications may be used a Roasted Fig has been used with much adv- antage it acts in the same manner — Opium is an excellent Remedy it may be given in Large doses of 150 drops — Poultices to the face of Laudinum — Pepper — Ginger — & other Stimul- ants to the face — Opium should be given after the pain subsides and extraction is to be pre- ceeded to — I shall only add an other Caution an extraction that a patient will submit to it with most Courage after a hearty Din- ner — where the pain proceeds from a hollow tooth 3 Remedies may be used — 1st to fill up the hollow with wax Lead — tinfoil or gold leaf — 2nd to destroy the bare Nerve by Cautery & 3rdly Extraction this last is most radical and prefer as it prevents the accumulation of acrid corrosive matter wh would dest- roy other teeth — when the Inflamed tooth is situate in the upper Jaw abscess are very apt to form in the Antrum Maxillare this is to be relieved by extracting the teeth immediately under it and thus allowing an escape to the Matter collected — A Celebrated Dentist in this City informed me that he never had occasion to puncture the Jaw as recommend -ed by authors the extraction of teeth always

always allowing vent to the Matter - these Cases are Some times fatal I have seen one Instance of it - having Spoken on the Cure of toothache I Shall make a few remarks on the method of retaining & preserving a good set of teeth - 1st let the Milk teeth as they are So called be extracted as Soon as they be-come loose in order to allow the 2nd Set to come up Straight - If any irregularity is perce-ived in the disposition of the Second Set it must be remedied by retaining it in a Straight position by means of Silver wire fastened to the neighbouring teeth

Deformed teeth like malformation in any part of the body appears to predispose to disease - & Beauty of the teeth appear in regularity & Whiteness tends greatly to preserve their health - at least they are much less commonly diseased than those of Contrary description - If any pro-jects inside or out Side the regular row it Should be extracted - 2ndly Remove a diseased tooth as Soon as it is loose or painful or when it becomes useless - the patient will not eat on a tooth wh gives him pain & by Chewing on the other Side the decayed tooth will become loose from want of exercise - 3rdly avoid the early & immoderate use of acids wh cor-rode the Enamel & lay bare the Nerves - 4thly Protect the head and Jaws from Cold - keep them warm

warm by flannel Night Cap this tends to equal-ize the heat — the French people by using woolen Night Caps avoid the tooth ache in a great meas-ure — 5thly wash the Jaws every morning externally with cold Water — 6th Wash the teeth & Mouth with water of an agreeable temperature by Standing all Night or rendered warm by adding warm water to it — they Should be washed after every meal especially at Night after Supper — for the Reliquia of food will become putrid and acrid by stagnating all Night — 7thly avoid eating alternately hot & cold food or Drinks — 8thly Avoid using the teeth for purposes for wh they were not ~~intended~~ as cracking Nuts — biting hard fruits as apples biting thread &c &c &c —

9th Carefully remove the Tar Tar as it is called as it collects around the Roots of the teeth — this Should often be done — 10th Avoid the use of all acrid tooth powder — this corrodes the Enamel also too much friction wh has the same effect Bark answers very well — vegetable alkali a weak Solution is a very excellent Substance to wash the teeth — it serves to whiten them very mu-ch — a Solution of Soap answers very well the same purpose — where the teeth are bad it has been practiced to extract them & put others in their places called transplanting — it has

has been common to put a fresh tooth just taken from an other persons Jaw - This has been done from an Idea that the tooth & gum grew together - but it is not So the tooth is Secured as a Nail in wood - and wood will be as tightly Secured as has been proven in a dog - the best way is to put a dry tooth in the Socket - it adheres with sufficient firmness and answers equally well - this is at best a bad method - it is painful & cannot be secured very firmly & even if it Should Succeed it is very Temporary lasts but 4 or 5 years at most - A 2nd mode of Pivoting answers much better by Fixing a pin of Silver or Gold into a tooth either natural or artificial and adapting it to the gum of old Socket but this mode is also exceptionable the Pivot wears away & the hole is enlarged - it must be renewed every 2 or 3 years - I would recommend the patient always to clean the tooth every 2 or 3 days & Replace it - I have known them Swallowed in Several Instances A 3rd Mode is to Tie artificial teeth to the Natural ones by thread or fine wire This answers better than either of the 2 other methods - 4th by forming a set of teeth complete for the upper & lower Jaws of Ivory This a Citizen of Phila has done and

he assured me he can chew the hardest food and even Crack a Nut with it —

Lecture 56th

The Convulsive State of Fever — This is an increase of Muscular force occurring in fever — It appears either as Spasm or Convulsion — Spasm is a Constant Contraction of the muscles — Convulsion is ~~alter-nated~~ alternated with Relaxation —

Spasms are either Tonic or Atonic as is seen in Tetanus — Convulsions occur most commonly in Children in all their diseases as Hooping Cough & many others — It is more over a Symptom of many of the forms of fever as the Malignant & Puerperal — The yellow Fever in some cases occurs in form of Tetanus — Spasms & Convulsions are either General or Partial — the Remedies are the Same in both and must be accommodated to the state of the System as indicated principally by the pulse — Where much morbid action occurs bleeding & depletion as in Fever should be used — Purging Cold air Blisters &c —

The Otalgic State of Fever

This is an Inflammation of the ear accompanied with great pain & Symptoms of General fever it principally affects Children. Some times old people but rarely people of Middle age where the whole System Sympathizes and much morbid action appears - Bleeding Should be used Purging - Blisters behind the Ears of the affected Side also other other Stimulating applications as warm Oil - after Morbid action is relieved by depletion stimulant applications are to be applied to the Ear hot oil & Laudanum are to be injected into the Ear - a roasted Onion answers very well or a Fig - If possible Suppuration ~~in~~ must be prevented as the hearing will be much impaired if it takes place Copious depletion prevents a possibility of this

Aphthae - Sore Mouth Some times puts on the form of fever - In the West-Indies it is attended with great Inflammation and Fever Some times in Holland it has been Epidemic - I have never Seen it so here - Sporadic cases I often meet with

x

& have called it the Aphthous State of Fever
It occurs most commonly in Children & has been supposed to occur from acrid Meconium retained in the bowels - the Remedies for it are washing the Mouth in Molasses & Water Honey & a Solution of Alum - the bowels should be kept gently open with Magnesia Rhubarb & the like - this prevents the disease in Infants where it arises from a Retention of the Meconium - In N. York this disease prevails more than here - it is there called - - - - - - and now & then has proved fatal - when acute it seldom is fatal - but a Sore mouth is frequently the last Symptom of Hypochondriasis & then I have never known Patients recover after this Symptom - also in Consumption - here there is said to be a Complication of disease - tis no matter - the cure must be accommodated to the State of the System - when the pulse is tense bleeding should be used - blisters become necessary where the disease becomes Chronic
It is more fatal in its Chronic than acute State

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Hyppochondriae & Hysterie States of Fever

I consider both these as States of fever attended with feeble determination of Morbid action to the Brain – In Hyppochondriasis this Cause the Death Phobia – In Hysteria there is a disposition to Shed tears – & to Laugh also a rising in the Throat called Globus Hystericus – pale urine – & in Some cases the Clavis Hystericus here there is said to be a combination od diseases

The Same Remedies are to be used as for other States of fever – you must be governed by the pulse –

The Last State of Fever in our Sylabus is the Cutaneous — Cutaneous

I Shall begin with remarking here that this is always connected more or less with general Fever and probably always arises from the Same remote Causes as Fever – The Plague & Elephantiasis appeared & continued & disappeared together in France and most other European Countries Dr S....... Says the Eruption wh. occurs at Barbadoes is a modification of the Epidemic of that Island – L.... has observed that a kind of Scab like the Itch appears as an Epidemic at Portsmouth wh. require Depletion to cure it as fever in general – Where

Eruption

Eruptions occur on the Skin during the prevalance of an Epidemic it preserves from that disease — the Prickly heat Dr Willony has observed prevents an attack of disease in the west Indies In some cases Epidemics alternate with Eruption — but further all the Remote causes do produce Eruptions and alternate & Cold or Intense heat & Cold — Contagious Miasmata — & even Certain Substances taken into the Stomach will produce Eruptions on the Skin from this fact I draw 2 important inferences — the one Speculative & the other Practical — the first is that Cutaneous & other States of fever are the Same and arise from the Same Simple Origin — then why not call Eruptions "Febres extraversæ as we call Dysentary very properly "Febres Introversæ" they are the same affecting diff.t parts of the System — one is morbid action translated from the Arteries to the bowels the other to the Skin — The perfection of every thing depends on its Simplicity — the Causes therefore of Diseases are one & Indivisible just as the Cause of Moral Evil is one & indivisible

The 2nd or practical inference is never to lose Sight of fever in prescribing for Eruptions of the Skin

Skin - they can only be cured in this way - the Remedies are the same as for fever and depend wholly on the State of the System - an other reason for this practice exclusive of the Unity of the causes is the Success wh has attended this mode of treating Sore legs - I recommend the further consideration of the Subject to you all - for my Speculation if it be true will be useful & if false can do no harm - I shall relate one fact more in support of the opinion - A Gentleman in Maryland who had been Inoculated for the Small Pox had 3 years after a tumor formed on ~~the back~~ of his Neck wh soon filled with a Limpid fluid turned soon into Matter - the tumor burst & the Matter discharged and ran down his back - he had in consequence of this Variolus pustles form all over his back where the matter had been in contact wh supporated as usual - This tends to prove also the great length of time that the remote cause of Disease may lurk in the System without being excited into "wrong action"

Leprosy - is certainly a misplaced fever hence (from fever) the origin of that Species of it attended with a black Skin - This black ~~Skin~~ Color depends Simply on the black blood Stagnating in the Rete Mucosum - That the blood does become

become black in Some fever there is no more doubt than that the bile Changes its Color from disease - I have related a Case in my 4th Cal. where the blood of a person in yellow fever was quite black - as the Cholera Morbus is a bilious fever turned inwards - So is Leprosy a bilious fever turned outwards - the Same Remedies wh cure Leprosy Cure plague & yellow fever - It consists principally in powerful evacuants - by vomits purges bleeding &c. - Dr. Can Roh an Intelligent physician who was in this City Some time Since informed me that the Spaniards cure the Leprosy by Eating a Lizard in the Spring of the year wh feed upon a particular Spider called Rama......aris - the flesh of the Lizard contracts a poisonous quality from this food wh renders it a powerfull evacuant by vomit & stool and the pores of the Skin. Tar has been used in large doses in Leprosy - Dr Pierce of Barbadoes Says it opperates as an evacuant on the Stomach & bowels - Moderate Bleeding should by no means be neglected - Blood letting here must be used as an alterative - I have no doubt that when Oldage & Casualties will be the only out let to human life that the Cure of Leprosy will be found to consist in the Lancet - three things concur to Shew the propriety of blood letting in Leprosy - first the Symptoms of Redness and

and Scales on the Skin & the Swelling - 2nd the wonderful action of Bloodletting on the Skin in other fevers in the malignant fevers preventing Petechiae and relieving the preternatural heat & coldness & dryness wh occurs - and lastly its great efficacy in curing Sore Legs & Opthalmia - we must moreover promote the excretion of Sweat - I have once Succeeded in Curing a young woman by these 2 Remedies (VS & sweat) in this City - She recovered perfectly & has Since Died with a galloping Consumption before wh She had a violent Opthalmia - nothing can more decidedly prove that Leprosy is a misplaced stat of fever than this Case - the morbid excitement was first translated to the Eyes and then to the Lungs - twas Still the Same disease occupying a different Seat

Leprosy is Certainly Curable or else Heaven like Man would be kind by halves and the cure of it rests in the Lancet & other depleting Remedies

This disease was formerly infectious & propigated by this means - hence I have no doubt the origin of the Ceremony of Circumcision - the prepuce was apt to retain the infectious matter longer than any other part of the body & it was thus more generally propagated by veneral Intercourse - the Ceremony was directed to be performed on the 8th day after Birth as at this age there is less pain & danger than at any other - A Rabbi

Rabbi whom I once saw opperate informed me that he had never known an Instance of death from this apperation — Circumcision answers another very good purpose — the first Symptoms of the Venerial & in many cases the most trouble occur under the prepuce — The Jews in not having the prepuce in great measure the venereal disease — they are at least much less subject to it than Chrystians —

It is a Rare thing in the Eastern Countries especially among the turks for Jews to have the Venereal Disease this information was given me by D. ---- This is truly one of the Physical advantages derived from adhearing to the Injunction of Moses — Absolution is alike calculated among the Mahometans to prevent many Physical Evils —

With this Quest we finish our account of those states of fever in wh the arterial system alone is affected we should next in order proceed to the Diseases of the Nervous System — of the causes of these I shall make a few preliminary observations & then proceed to treat of a few states of fever in wh the Arterial & Nervous System are both ~~connected~~ Concerned — Palsy Apoplexy Mania &c — In the diseases of the Nervous System — I shall include those of the muscles brain & Nerves — In one

one of my vols of Enq.^s & Obs. I have anticipated that the time will come when casualties & old age will be the out lets to life - I have also asserted that fever is the only natural ori-ginal disease of Man - the blood vessels first receive the Shock of all the Causes tending to create wrong action they are the out ports as it were of the System - in this State of ye System in w^h fever is naturally the only Disease arises from the most Simple manner of living to suit a Savage Life - Such as Savages enjoy - the further a departure is made from this mode of Life the more disease effect the Nervous System - In the time of Dr Sydenham Nervous diseases were so rare in London that of - - - - persons who died in London 66,000 perished of fevers - whereas now not more than one Sixth of the diseases there are febrile owing to the prevalence of effem-inate manners & Customs in that City - Apoplexy - Palsy - Hysteria & Hypochondri-asis are much more frequent now - as effeminacy increases Diseases, or Rather Shapes of Diseases, keep pace - But why need we turn our Eye to great Britain we see in this Country the great Change induced in diseases by Luxury and increase in Civilized Customs of Society. Pneumony

Pneumony was 50 or 60 years ago a much more frequent disease than of late owing to the simple mode of life in those days predisposing to inflamatory Diseases

From this view of the Subject I think it probable that we shall in future time be able to distinguish as readily the Rank people had in Society by their diseases as by their titles of Nobility — Thus the first order of nobility will be known by their jimmy diseases of light trifling morbid action — while the 2nd order of Nobility & the wealthy Citizens will be subject to Gout — The Inferior Stations in life as mechanics and Laborers will be liable to fever of inflamitory action but even then will probably be so feeble as to constitute at most Typhus! & Pneumony & violent Inflamitory fever will exclusively belong to porters - Sailors Soldiers & Chimney Sweepers

It will be considered a mark of great vulgarity to have an acute disease & people will blush as much to say their father died of an acute disease as to confess he belonged to the lowest and humblest order of Society!!! In

In the Simple State of Society morbid Stimulus produces its morbid effects on the blood vessels and causes morbid excitement there or Fever — In a more polished State of civilization — the Same Stimulus will produce a compound effect on the Nervous as well as on the arterial System as Palsy apoplexy gout & many more — But when Luxury & effeminacy have advanced still further — then same causes act still more powerfully on the Nervous and produce Hysteria & Hypochondria — there depend on the Last Stage of Debility in the Nervous System the following diseases Syncope asphyxia Marasmus & Tabes —

The Truth of this position will be illustrated as we proceed — Melancholy depends on the first Stage of Debility — Yeomen will probably be affected with this & Hysteria — he will be so excitable as die at the Smell of the Rose in "aromatic Pain" These customs will produce effect further on People as they are exposed to the Influence more or less — the Rich Country Gentlemen will be unable to make a meal without wine or malt Liquors while the Citizens will be forced to use ardent Spirits or Spirits of wine — This great degree of Luxury or effeminacy we are told is already making its appearance in Italy — Mr. — tells us of an Italian Marquis who is forced to keep himself alive during a walk by a

a Smelling bottle at his nose

I Shall begin then first with those States of Fever in wh. the Nerves & arteries are both affected & first of

Apoplexy –

Apoplexy is known by a Suspension of all voluntary Motion and in Some cases Involuntary motion are much impaired – it is attended for the most part with Sleep with a Snoring diff.t from Natural & the Sleep is Sounder it may be distinguished from Natural Sleep by coming on Suddenly – Some times when the patient is Siting in a Chair – It is attended with an intermitting preternatural quick or Slow pulse – where the pulse is quick the disease is less dangerous – a foaming at the mouth Some times occurs – In these Cases especially if they are attended with a flushed face much danger is to be apprehended

The Remote Causes of Appoplexy are a painful & Long protracted attention to one Subject where the understanding & passions are much excited   Baglivi Says Apoplexies were Epidemic in 1764 – Rumsey was Seized with apoplexy from this Cause in planing a Steam boat to go against wind & Tide – Inmalation as it is termed is a frequent remote cause of Apoplexy – The Remote Causes of Plague – yellow Fever & Small Pox are often remote Causes

remote causes of apoplexy — The exciting causes of apoplectic state of Fever are sometimes combined with the Remote Causes —
It is also excited by violent Exercise of the whole body — by loud or long Speaking — this often excites the disease in Clergyman — also by a preternatural quantity of azot in the air or by Mephitic air of any kind — hence its frequency in crowded assemblies — Indigestion is a frequent exciting cause of Apoplexy — I have known 2. cases of Death from this cause — Great heat — fumes of Lead or Mercury have also excited the disease — In some cases Contusions have been the exciting cause — Montague Reports the loss of a Brother from apoplexy excited by a blow of a - - - at Tennis balls a violent exertion to discharge Faeces has produced it in some cases I have known 2 cases brought on thus in a Necessary — In these cases the disease is brought on without predisposing debility —
Hemorrhage from the Nose — Menses — or Piles retained where they were habitual have excited the disease — also sudden suppression of other habitual discharges — the sudden disappearance of a Cutaneous Eruption a sudden healing of an old sore or Issue — Strong passions of the mind have also excited apoplexy — as Joy — anger — terror

terror - I have before had to mention 2 cases of Sudden Death from violent Anger - from a full meal - Payton Randolph first President of the Continental Congress died of apoplexy from this Cause - Supper more especially is apt to produce this effect - Apoplexy is often induced from a neglect of Bleeding where it has been customary - & from the Cessation of periodical gout Dr Gregory was Seized with it from this Cause - From taking ℈j of Opium Apoplexy was induced in a patient of - - - - - - - Lightning & Electricity have produced it Tight Ligatures on any part of the body but more especially the Neck - Cause of habitual Headache & the various exciting causes of Malignant fever are the Exciting causes of apoplexy - The proximate causes of apoplexy varies according to the Difference in the remote & exciting causes - Tis always pressure on the Brain - but in some cases the pressure is made by effused blood in others merely from ~~effusion~~ Congestion - the pressure on the pineal gland and Theca - - - - - - - - - - - - - is the proximate cause - When the pressure is made by effusion it is termed Extravisation when from distention of the vessels by Congestion - Intravisation - The former is always fatal - And in Some cases the excitement of

of the brain is suddenly destroyed and no vest-
-age of disease are to be perceived on Dissection
These last described cases occur most common-
ly where the Disease is caused by a sudden
fit of anger - Joy - by Lightning - Electricity
fumes of Lead fixed & azotic air - the brain
here is prostrated by the excessive force of these
stimuli below the point of reaction -

Dr Cullen has taken great pains to
Distinguish the Serous from the Sanguineous
Apoplexy by Specific Diagnostic marks - but
it is a matter very difficult & of no importa-
nce since it has no influence on the mode
of Cure - The Remedies being the same in
either Case - Dr Cullens Divisions of apo-
plexy has moreover done immense mischief
by introducing a fatal practice not to
bleed in the serous apoplexy - Tis as necessary
as the sanguineous -

The Apoplectic State of Fever has been
by some supposed necessarily fatal in the
third attack this is by no means the case
some persons have had it a dozen times
before it proved fatal - this occurs most
commonly in Drunkards - and on the
other hand I have known the first fit pro-
ve fatal - Apoplexy occurs most frequ-
ently in the Decline of Life but I have

have known several cases occur in people of middle age

Before I proceed to mention the Remedies for apoplexy it will be proper to take notice of the Premonitory Symptoms these are. Giddiness Drowsiness and head ache - Numbness in one or both of the lower extremeties - a Snoreing in Sleep (accasionally) bleeding from the Nose Tremors Incubus (Night mare) long absence of periodical piles or Gout - dull vision or absence of vision - - - - partial hearing or deafness faltering in Speech - loss of memory - flushing of the Neck & face - Slower inspiration than common & lastly an Effusion from the Lungs & Skin of their customary excretions ——

Lecture 57th

While Lectureing on Leprosy I forgot to mention to you Gent the use of the Earth Bath as a remedy for that Disease - It has been used with great advantage - it consists in burying the patient up to his Neck in warm dry Earth a profuse Diaphoresis is the Consequence

apoplexy continued

The Business of a Physician commences as soon as the premonitory Symptoms are perceived - a Gentle Purge or the loss of

a few ounces of blood will restore the Patient to health & prevent an attack of the disease

When we are not called thus Early and the patient is ill of a Completely formed Apoplexy the first thing we are to do is to clear the room of all unnecessary company or attendants to prevent the air becoming foul by their Respiration the next thing to be done is to loos all tight ligatures from the Neck and all parts of ye body the garters Should be taken off & even the Shoes & Boots — the head of the patient Should be elevated by pillowes or if he is able he Should set up in a Chair — while these steps are taking the usual preperations Should be made for abstracting the undue pressure from the Brain by Bleeding — the part from wh the blood is to be drawn may be regulated by the circumstances of the case If it can be conveniently extracted from the Carrotids or Jugulars it will be preferable especially in cases of Contusion and here the bleeding Should be copious — but if this can not be done — blood must be taken from both arms as much depends on the sudden abstraction of Blood — but in some Chronic Cases the method of Severius must be used to take a few ounces & repeated frequently — but where it is admissable

admiscible a great quantity must be abstracted 90, or 100℥ may safely be taken away - Dr Physic Drew from Dr Dewees between 90 & 100℥ at one bleeding - where bleeding is inadmissible pressure on the Carotids must be used Dr Parr of Bath used this method with great Success - I have seen in this City great benefit derived from taking a spoon full of Common Salt taken in the mouth - this induces a Temporary Salivation - 2nd Vomits these are highly extolled by Dr Fothergill - they can only be used where the disease proceeds from any matter in the Stomach as poisons &c - their exhibition is attended with great Danger unless previous bleeding has been used - when Emetics cannot readily be introduced into the Stomach the readiest method of exciting vomiting is by tickleing the fauces with a fether 3rdly Purges are highly proper the bowels should be gently opened by purges or Glysters but if practicable both should be used - 4th when there is great heat and throbing in the head - Cold air water & Ice should be applied to the head but only under these Circumstances - they are Indicated more especially where the brain is oppressed from drunkenness - I recollect when a School boy to have seen Drunken Men relieved by pumping cold water on their heads

Heads — When this does not relieve Stimulents must be applied as Blisters to the Neck & back of the head 2nd Cataplasm of mustard to the feet of Mustard Garlic Onions &c &c — 3rdly the action of Cautery to the Crown of the head this has often relieved apoplexy — 4thly acrid Glysters — 5th Electricity (Shocks) 6th Heat & Earthly Ether. also the organs of the senses should be highly stimulated as the Eyes by strong Light — the Ears by loud noises — & the Nose by strong Odors as Sal Volatile Pain should be induced also by other means there are many cases on Record where these Remedies have been used with Success — Fresh air must not be neglected —

Those persons who have once had the disease are more predisposed to it than others they are often seized with it after standing long on their feet (2 cases related) They should be careful to avoid the remote causes — They should eat temperately but by no means abstemiously this relates 1st to the quantity 2nd to the Quality — To avoid great Stimulus from the first Cause the meals should be divided & the stomach kept constantly moderately employed but never quite empty — I have an hundred times witnessed the disease coming on from too little stimulus in the stomach — 2nd the Quality should consist of Animal food of a mildly stimulant Quality &c &c

as ye white meats – but it should be accommodated to the weakness or vigor of the System – wild is less stimulent than domestic meat – Roasted more than boild – old animals more stimulent than young veal & Lamb less than Beaf & Mutton but Poultry will be preferable in most cases vegetables exclusively should be avoided – Toasted Cheese is very bad diet for persons thus predis-posed – The frequent occurrance of the disease about Christmass is owing to the Change in food by the introduction of that Theriaca of diet Mince Pyes! – The Stomach is a strange viscus I long ago remarked its vindictive & shy of new acquaintances – It even refuses to admit its annual acquainted fruits & veget-ables – at first Cucumbers – Radishes and mellons frequently produce disease when first eat – after the 40th year it seldom allows a ch-ange of diet with impunity – for this reason valetudinarians should be cautious what they eat especially in apoplexy hence toothless should never depart from their customary food to prevent any inconvenience from this cause in old age – I adopt the opinion of Celsus that in youth & persons engaged in business "the best habit is no habit" they should not eat any particular food exclusively – nor form any habits to prevent ill effects from

-peaking them — The Drink of persons predis-posed to apoplexy should be gently stimulant Maderia wine & water answers very well Punch is a very agreeable Drink the acid & Low wines should be carefully avoided — Malt Liquors too answers very well for such as work but not for others — when giddiness is customary the habitual use of Garlic & Onions is a very excellent Remedy it acts but very feebly on the Arterial System and gently stimulates the Alimentary Canal — but it principally affects the Brain & Nerves — 2nd Exercise should be used as a prophylactic Remedy in Apoplexy it should be gentle & fatigue carefully avoided moderate walking or riding answer very well but gestation is to be prefered 3rdly Issues & Setons are excellent preventatives — Van Swieten speaks very highly of them —

4thly avoiding all the occasional Causes of it as violent Exercise — Intense Study — Tight Ligatures — return of piles should be promoted when they have disappeared all Issues & Sores should be prevented healing & if they do heal should be renewed again — if bleeding piles disappear bloodletting must be substituted — The Patient should lie on a hard bed or Mattrass — & careful-ly avoid cold feet here excitement is unequal & is determined to the Brain — persons predis

posed

predisposed to it should not sleep on their Backs the night mare occurs most frequently in this position of the body and this is a tendency to apoplexy lastly great care must be taken to promote healthy discharges even the filthy custom of smoking & Chewing Tobacco when habitual (when more or less dependants) should by no means be laid aside – Cases have occurred of Apoplexy having been brought on by leaving off these practices –

Catalepsy occurs from an obstruction to the Circulation of blood through the brain & a consequent Congestion – It some times comes on in form of a Quartan – It proceeds from the same causes as Apoplexy and also from Insane cases from unsuccessful Love – the Remedies are the same as for the premonitory Symptoms of Apoplexy – of wh it is an inferior degree –

Palsey proceeds also from the same Remote & exciting causes as Apoplexy – It has also the same premonitory Symptoms – I knew one Case in wh a loss of memory how to spell to spell words was one of the premonitories and there was no other – Some times the Muscles & Nerves of one side

side only are affected - here it is called Hemi plegia - where the Lower Extremeties only are affected it is called Paraplegia - Paraplegia is frequently a Symptom of other diseases - it occurs in Cholic Small pox yellow fever

In all cases where there is an inability to move the lower extremeties the bowels are affected - they are not connected with the Brain - they depend on a loss of excitement in the Limbs Muscular Fibres & Nerves tho they retain their Sensibility to Pain &c the Vapors of Lead act in this way - Dr Franklin was seized with palsy of his hand from warming the Types he used before he worked with them - this same State of the Limbs occurs in some cases after a half cured Rheumatism & Rheumatalgia - Indeed the order in wh the disease proceeds appears to be from acute Rheumatism to Chronic or from Rheumatismus to Rheumaticula next to Rheumatalgia and then loss of motion in the part - In Hemiplegia it has long been observed that the pulse of the affected side is quicker & more tense than the other - all persons are subject to it from 10 to 20 years of age - in some cases I have observed pain to be more acute on the Sound side than the affected

—— Lately

Lastly I have known one case when a sore mouth came on and was a fatal Symptom —

The Remedies for Palsy when the brain is affected are in the first place bloodletting this may be carried from 20 to 150℥ — I once took this much in 10 days with the happiest effects — It is I grant often unsuccessful but then it proceeds from being used in too sparing a quantity — 2nd Purges these are very proper Aloes is to be prefered 3d Blisters to the head & Neck 4th Emetics these are very useful when the exciting cause is in the Stomach — this must regulate our prescriptions of Emetics 5thly the warm bath the heat here must be below the temperature of the Patients body — according to Dr Falkner the water at Bath was at 94 & did more good in this disease than when it was at 105° ~~to a man in health~~ This he justly ascribes to the increase of sensibility — & 94° felt warmer to a man with Palsy than 105° to a man in health 6thly the Cold bath — after the use of warm bath the cold may be substituted with advantage A 7th Remedy is Blisters Seaton or Issue — when it is Chronic this must never be neglected — 8thly A Salivation must be excited

excited I have used it with great Success in 3 or 4 Cases where one is insufficient it is to be repeated — 9th a Sudden excitement of the passions has cured the disease when it occurred in the Tongue — A Case of this is related in the Son of Croesus — he was dumb & from this cause — and was cured by Terror — A man was a going to kill his Father Croesus before his Eyes — he rose up & exclaimed "Oh! Man dont kill Croesus" and ever after retained the use of his Speech ~~ever after~~ — Terror from the Cry of fire & the danger of being burned has cured palsy — Anger has the Same effect — & often makes people Speak who could not be fore from ~~Paralysis~~ paralysis — 10th Stimulants may be applied to divert action from the Brain — the Radix Pyrethris (Pellitory of the wall) has been used for this purpose with great Success & acts as a Sylagogue — 11th Electricity Diemerbroek relates the case of a person cured by it ~~fr~~ by means of a Lightning — wh was 38 years Standing — Electrical Shocks answer the ~~Same~~ good purpose — these facts Shew the effects of Stimulants but this application requires great Care and Judgment — the favorable signs are a prickling Sensation of the Arms & Limbs if this takes place we may presume the Brain & Nerves to be affected we may

further presume this to be the case where the Speech is affected and a favorable Symptom is its Restoration — In this disease there are great Changes — Patients Sometimes better Sometimes worse — those Symptoms wh favor a Supposition that no relapse will ensue are a perfect enjoyment of the mental ~~S~~ Faculties and Speech

When the Brain is not affected but only the Muscles as is known by the perfect enjoyment of the Mental Faculties the presumption is that the Muscles only are affected — The Remedies are external & Internal — The natural Stimuli as drink & diet should be increased in force also vol. Tincture of Gm Guiacum horse Radish &c — but great Care must be taken never to administer these with a tense pulse — They act on the Arterial System The External Stimuli are warmth either in the medium of water Spirit or Salt — By the warm bath — Salt Bath or by being wraped up with clothes wet with warm Spirits — The Suda Torie as they are called ~~in Italy~~ used in Italy would probably be useful here in these Cases — 2nd frictions with the hand are useful if the pulse bears it — The Muscles like the Tympanum in the Ear will vibrate only with certain impressions of Stimuli we Should be careful therefore to accommodate the force of friction to the State of the System Empyreumatic oil

oils and Sal Amoniac may be used also equal parts of Ether & Tincture of Cantharadies are a good application — Also Cayenne Pepper and Rum & other Rubefacients of moderate force 6thly the cold bath — 7th Electricity & Lastly a Salivation but great Care must be taken to accommodate all the above Remedies to the state of the System — The Prophylaxis is the same for Palsy as for Apoplexy —

Another affection of the Brain & Arterial System is wakefullness This depends on Morbid excitement in the Brain — the Remedies for it are to be accommodated to the State of the System — this was the disease of the celebrated Rohcan for the last 4 or 5 years of his life

The first Remedy is blood letting if the Pulse Indicates it — next Purges after the reduction of the System by this means — a Supper should be recommended of Oysters Porter &c &c also Opium — or Asafoetida — I have known the last Succeed When Opium would not induce Sleep — It is called by Some Crivil & by corruption The Cruels — Dr Bond calld it The Figits — Cold feet have a most wonderful influence in Keeping People awake the excitement of the System Should be equalized by keeping them warm — I think

ing

a thinking or uninteresting Subject will some times put one to Sleep also walking once or twice across the floor sitting up in bed &c as by counting 100 Backwards

Lecture 58th

Head-ache is the next disease affecting conjointly the Nervous & Arterial Systems —

We hear of Nervous Head-ache — I have nev-er known a case in wh the Arteries were not more or less affected — If they do not in-dicate morbid action at the wrist the Temp-oral Arteries are certainly affected —

A great variety obtains with respect to the Seat & nature of the pain in Head ache

In the first place we find it affect the whole head 2ndly it Some times affects only the forehead or the Occiput — 3rdly It occurs over each Orbit or over one Orbit —

4thly in Some cases the pain is dull & Stupifying — or 5thly it is extremely acute & constant — 6thly It has remissions & exacerbat-ions — 7thly It is attended with a Sensation re-sembling in the Patients mind the opening & Shutting of the Cranium at the Sutures —

8thly the Scalp is Sore to the Touch — In

In all cases it is attended more or less with cold feet - The morbid excitement being accumulated in the head we would expect this to take place - Cold feet

In the worst cases of Headache the Eyelids inflame - In many the excitability of the Retina is so increased that the Patients are unable to bear the least light in the Room - In one case a Chunk of fire brought in to warm the Room produced a Severe pain & headache wh continued, from the light it emitted, till it was ~~removed~~ or carried out - Other Symptoms sometimes occur - The Sense of Smell & Touch are impaired also the faculties of the mind especially the memory & Imagination - the operations are sometimes affected as the judgment is impaired

Other Symptoms are giddiness vomiting - Pale urine occasionally - a fit of it lasts from 6 to 8 & 40 hours - and generally goes of with a Stupor or Sleep - It affects young people more than old & lasts till middle life - I have known it continue till after 40 - & cease when the Strife between the venous & Arterial Systems Subsided - It is generally periodical and here it varies as to its intervals - It occurs Daily - I often have it come on with the Rising and depart with the setting ~~of the~~ Sun - here it is probably excited by the Stimulus of Light -

Some

Sometimes it comes on weekly and often Monthly - I have known its intervals continue for a year - In this case wh was in a Lady it attacked in September and was cured by Emigration as it probably depended on Climate

It occurs at all seasons of the year but more paticular in the Spring - Dr. Cullen long ago observed that 10 women are affected with it to one Man - In them I believe it is a Symptom of Gout - This very Distressing Disease terminates in Apoplexy - Palsy - loss of memory - Ideatism - Hydrocephalus Internus Deafness - & loss of Sight - but now & then there is an exception to all the above - In many cases there are no Intermissions - I knew a Gent considerably advanced in life who assured me that for the Last 40 years he had not had an Interval of Ease from the most distressing headache - The Causes wh induce it are in the first place Malconformation of the head - This I suspect is the case in all cases where the disease is Hereditary - This is probably the Reason of its occurring so early in life - 2ndly from Fever In all Intermittents it occurs - and often in Arthritic & Rheumatic States - 3dly from diseases or disorders of the stomach wh often produce this disease - 4thly from intemperance in Eating & drinking - And

And from a peculiar Ideosyncrasy — It is some times produced from certain articles of Diet — In some head ache is produced from a Dinner of Fish — in others from Coffee — Butter hot meat &c. & many people from Ideosyncrasy can not eat a mixed diet of fish & flesh — with out experiencing it while they could eat either by it self with impunity — again it is some times produced by abstinance — also unusual Sleep — & Sleep at an unusual hour — an obstruction of Menses — great heat — & great Cold — The strife between the venous & Arterial System hence it occurs between 36 & 40 or 46 — This is a very frequent Cause — A certain state of the Air as regards a greater or less ~~[illegible]~~ portion of Electricity — I once knew a Lady who could fortell the approach of a Thunder Storm by a head ache wh occured from this cause — an Absess of matter in the Nos & Frontal Sinuses. also extraneous matter in the frontal Sinuses — There is a Case related in the Transactions of the College of Physicians where obstinate Headache was produced by a Rose bug ~~[illegible]~~ in the Frontal Sinuses — I have known an absess in the Frontal Sinus wh was produced by the Influenza wh caused a most severe & obstinate headache — also absesses in the Lungs — I knew a Case of Severe headache wh at lasted ended with the Life of the Patient

Patient (a young Lady) where no marks of disease appeared in the head & where the Lungs were much diseased one of them having a large abscess containing near a pint of Matter - lastly from a fashion of wearing tight ~~Clothes~~ Dress of any kind on the head - when Cushions were in fashion head ache from this cause was a common occurrance - The Exciting Causes are intense study certain winds - Certain odors - & many other stimuli -

Are there any Premonitory Symptoms of the disease? yes there are - The disease is preceded by preternatural cold feet & dry feet uncommon Sleep or uncommon wakefulness this last is frequently a troublesome Symptom throughout the disease - by a sense of weight in the head & sense of coldness by a bristly texture taking place in the Hair - this precedes several other diseases especially in Children - by a great increase or great diminution of Appetite - It may be here said the increased appetite is indulged & is the cause of the disease but it occurs whether the appetite be indulged or restrained - when from any or all of the Symptoms above we anticipate the approach of head ache it may be obviated - 1st by abstinance from food 2nd vomits are proper - 3rd Purges will sometimes when the disease is in the

the forming state — 4th Sweat will often obviate the approach of Headache — & Lastly a dose of Liquid Laudanum — or a glass or 2 of Madeira Wine — I have seen both the last used with great Success — In a Lady in whom the disease appeared in the form I mentioned of the opening & Shutting of the Sutures — a dose of Laud from 10 to 30 drops would effectually obviate an approaching fit — by obviating a fit for several times we stand a Chance of performing a Radical cure by breaking off the habit of diseased association as we see in curing Intermittents —

The Cure of Headache naturally divides it self into two parts — the first to Cure the fit & 2ndly to prevent their return & produce a Radical Cure —

During the Paroxysm the first Remedy is blood letting — this must be used if the pulse be full or tense in this disease as in other affections of the head — the pulse is some times ~~too~~ natural & here Mr John Hunters rule must be adhered to viz to be governed in your Prescriptions of Blood-letting by other Symptoms — whenever therefore the pain is violent we are to bleed — 2ndly Purging — 3rd a Blister is to be applied to the back of the Ear or Neck — 4th a Cataplasm to the feet — as Garlic Onions

nicious Mustard &c - Rest Silence & recumbent Posture of the body - Darkness & cold applications to the Head & Neck - also Ether confined in a bladder and applied to the Scalp - or by a piece of Tow wet with it - Errhines may also be used but they require to be administered with caution - Moderate fear as a Sedative has often been of service in relieving head ache - There have been disputes about the propriety of administering Emetics in a fit of head ache - when it is feeble it may be used - & where the disease is Supposed to proceed from bilious complaints of the Stomach they are certainly useful - In the forming State they are always to be used - when Morbid action is reduced by these means and in a fit of the head ache with weak morbid action the following Remedies are to be prescribed - Opium, it is to be used here in Stronger doses than when it is used to obviating an approaching fit wine & warm applications to the head - particularly of Steams of Vinegar by pouring it on a hot brick & exposing the patients head to the fumes - the most profuse Sweating is [illegible] thus excited on the head a regard to food & the time of Eating is of great use - Asafoetida & Pediluvium - if these fail blisters to the head behind the Ears - Setons are improper they do not Stimulate (generally)

Suff.

Sufficiently - (generally the whole system)

The Radical Remedies are to be used during the Retrocession or interval of the fit - They are first avoiding all remote & exciting causes - 2nd the use of Tonics - both Vegitable & Metalic - the first are Gm. Foetida Bark &c the Bark is of great use - the Metalic are Zinc Arsenic in the dose of 1/10 grain & the Vitriols the Cold bath is a useful Tonic Exposure also of the Head to Cold Air - An old French Bishop who had been long subject to head ache was cured by leaving off a wollen Night Cap in his sleep & exposing his head to the cold air he was near 80 - A return to old habits must be attended to as Smoaking Snuffing &c - even Chewing many people have thus cured the disease when brought on by leaving off these customs -

An Issue should be excited if the disease comes on from the healing of one or the sudden drying up of an old ulcer - or if an Eruption is suddenly dried it must be excited again - An Issue in the arm has moreover cured the disease when not brought on in that way - I forgot while speaking of Tonics to mention the use of pepper - This I have known cure the headache It was discovered by accident

accident - A Person eating a high Seasoned Pot Pye expirienced a relief from his custom-ary head ache - and after word relieved it by eat-ing Pepper - Exercise Should be used to fortify the System against the Causes - Partly occas-ional Bleeding -

The next disease of a Compound Nature where the Nerves & Arterial System are affected is

Epilepsy - a convulsion of the muscles of the body accompanied with & Occurring prin-cipally in Sleep

Johannes Crato the great man of the age in wh he lived & Physician to 3 Successive Emperors earnestly desired that he might live to hear of the discovery of a Satisfactory theory & cure of Epilepsy - he lived to a good old age and died without being Satisfied in this phil-anthropic wish & had he lived till the present time he would be made no happier in this res-pect - I have read & thought much on this disease but am Sorry to Say that I know now but little more of it than I did 30 years ago - all attempts hitherto made to remedy this deplorable disease have been unattended with success - I have merely a detail of facts to offer perhaps at a future day - at some Luckier moment

luckier moment one of you may combine & arrange these facts into a Satisfactory Theory of the disease —

Dies Doceat. Time I make no doubt will remove the hidden mistery wh envelopes this obscure Subject Debility is certainly the predisposing cause of Epilepsy — The Reason perhaps why the return of this disease is connected with so much Obstinacy, is, that this debility is so general and affects not only the Nerves but Muscles & blood vessels imparting of course to each a large proportion of Morbid excitability — this has been termed by Cullen when it is thus general Mobility — when it affects both Arterial and Nervous Systems —

The Remote causes of Epilepsy are general & Local — most commonly general — among the local the principal are the fractures of the Skull — Malconformation — Effusion of Pus & Water or blood in the Brain — & Calculus & worms in the Brain — not only Local affections of the Brain but also of other parts are capable of predisposing to Epilepsy — thus Tumors in any part of the body may prove a remote cause — I heard of a Case where a Tumor in the Calf of the leg was the Cause — and Dr Physick informed me of a case of Epilepsy produced

Epilepsy produced by a Tumor in the ball of ye Thumb wh. was cured by Extraction of the Tumor

The general Causes are such as affect the Whole System 1st great Exercise of the body 2nd Immoderate use of the understanding - 3d Violent Passion suddenly excited as fear - I have known & heard of 3 Cases of Epilepsy brought on by fear 2 happened at the Edinburgh Infirmary & one in this City from sudden fright in a boy of 14 at Genl. Arnolds Effigy and some frightful figures carried about the streets after his detection - 4thly Great Intemperance in eating drinking & excessive indulgence of the venereal appetite especially in Onanism

The Late King of Russia died of Epilepsy brought on by his excessive indulgence of his appetite for Women -

5thly It has occurred in several Cases in consequence repelled Eruption - Sleeping in the open air has been known to induce it - it was brought on in a medical Student by Sleeping in a Piazza in N. Carolina - all these remote causes act by inducing debility and a great accumulation of morbid Excitability - Convulsions are induced by the slightest Causes acting on the immense accumulation of Excitability

Dr. Cullen mentions a Case where it was

was excited by the Noise of horses feet far off — the Sound of a distant bell has has induced it — these Causes induce a return of the fit after the disease is completely formed

Association has now a most powerful influence on this disease — Many cases it is reproduced or excited only by a repetition of the causes wh first produced — (Case of a Soldier in whom it was Induced by Terror while he was Drinking out of a Mug — the Sight of a Mug ever after reproduced an Epileptic fit —

In Some Cases a Dog has been the object

Dr Cullen Relates a Case of a Lady Seized with vomiting while a Mantaumaker was fiting on a gown when ever She Saw the Mantaumaker afterwards or Saw the gown the Same affection was reproduced (This Lady was Pregnant at that time and the fits did not occur after her delivery)

Are there any Premonitory Symptoms of Epilepsy? Yes there are — & it is of the greatest consequence to attend to them — In the first place it is preceded with a ~~bitter~~ taste in the Mouth for 2 or 3 days previous to the attack — 2ndly by a ~~particular~~ preternatural dilation of the pupil — 3r false vision — 4th a Slow & 5th a quick Pulse & tenor

Morgani —

(Morgani notices the first) 6th by a pain over the Right Eye and in some cases an Inflamation Pain & Redness of the Tunica adnata (Cullen) Headache often precedes it — and a peculiar Smell of the Breath for 2 or 3 days before the accession of the fit — of this I have known a remarkable Instance — lastly a terror or Distress & expectation of Evil generally precedes it —

The Remedies in this forming State are a Vomit if the bitter taste precedes this Purges must be used — When Headache quick pulse and other symptoms indicating a S. are Present — Bloodletting must be performed and Abstinance — but in a Contrary State of System Opium should be used — this I have known suspend it — the Smell of Sulphur has prevented a fit of Epilepsy — & here perhaps Sulphur is the best purge when costiveness attends

I wish great these loose unconnected facts respecting the cure of the disease in its forming State to be attended to — they will prevent the necessity for any others —

Before I proceed to mention the Radical Remedies for the disease I will mention the effectual cures wh have been accidentally performed — 1st by Puberty this has often cured — 2nd of Childbearing of this I have

known

known one Instance that the disease was sus-
pended during gestation but returned after Del-
-ivery — 3rd old age has cured the epilepsy
(& Dr R. might have added Death) In one Instance I
have known it cured at 50 — it is true fainty fits
succeeded the Epileptic but they were of little in
convenience compared with the former —

In an other case old age had not the effect
and the Patient continued with them till near
100 — Lastly Change of Climate has cured
Epilepsy — It has also been cured by a
full diet where it has been produced by ab-
stinance —

These facts sugest the propriety of Tonics in
this disease — for in this way all the above
causes act by invigorating the System even old
age acts in this ~~way~~ manner! Let us now apply
these facts to ~~practice~~ the cure — In all
young persons there is a presumption it is att-
ended with Plethora — Blood letting should of
course be used — It acts in 2 ways not only
by depleting but 2nd by rendering the System
more liable to be acted on by Tonics — The
blood of Persons drawn is Sizy — this authorizes
the prescription — even Dr Brown him self
bled in this disease — 2nd Milk & vegitable
diet — Dr Chene Relates the Case of a Taylor
who was cured by this Remedy — 3rdly Occasion
-al

Occasional Purging Should be used - After Plethora is reduced by these Remedies - Vegetable & Metalic Tonics may be used as Muzzletoe Bark Opium - 2nd Steel Zinc white blue & green Vitriol Cuprum Ammoniacum - & I have lately heard of the Successful use of Magistery of Bismuth dissolved in aq. Fort. Lastly Saccharum Saturni - I have cured three with great Success - I Suspended the fits in 2 patients for a long time by using 2 grains of Sugar of Lead 3 times a day for 3 or 4 months during wh time they remained but returned after that time - among vegit able Tonics I forgot to place Strammonium it has been used with great Success by Dr Archer he informed me he cured 2 Cases by it - I releived a boy with it in the P. Hospital in 96.-97- he was discharged cured but returned again the same in whom Sac. Sat. was used - Issues & Setons have done good these are especially propper if it has been caused by drying up an old Sore or if it has proceeded from the Itch - The actual Cautery has been used along the Sutures with advan- tage 4th Ligatures around the Limbs to prevent the rising of the Aura Epilepticа this has performed Cures - 5thly Glysters of Tobac -co Waller Says has Cured the disease 6thly an

an uniform Impression from all causes Natl Stimuli in diet clothing Drink Sleep &c - the Diet would be well to be measured & weighed - 7th Change of Climate has cured the Disease by destroying diseased associations - especially if the Climate be equable to wh. they migrate - 8thly by hard Labor - Julius Caesar was affected with Epilepsy but never experienced it while he was exposed to the hardships of a Military life - Long Journeys are also useful - Tea has Cured the Epilepsy - Dr Cullen cured a girl in Edinburg Infirmary by Scaring her very much - he told her the fits were feigned & threatened to burn her with a red hot poker if he found her in an other - the fact was She had none for Several days - Salivation this is the only Radical Remedy I have found Haller Relates cases Cured by it Dr Hugh Smith of London relates the Success of this practice & from him I believe it - I have used it in 4 patients 2 of whom were quite cured - in one the disease was Suspended during the Salivation & in one it Returned after a Considerable time.

I Shall only here add that it is very difficult to excite a Salivation in this Disease

Lecture 59th

The next disease affecting both Nervous & Arterial Systems is the **Hysteria** - This appears to be confined principally to the Nervous System - But the Arterial is generally some what affected and also the Alimentary Canal - I know of no difference between Hysteria & Gout - It is produced by the Same Remote Predisposing & exciting Causes - there is no more reason why morbid action in the Nerves should have diffᵗ names than that fever should as they affect diffᵗ parts of the body - I formerly remarked that women are more Subject to gout than Men - So they are to Hysteria - In Men Gout appears of the firm texture of Broad Cloath - In women tis Slender as Muslin! In conformity however to Custom I shall adopt the Term Hysteria - Its Symptoms are a rumbling noise in the belly a Sense of a ball rising from the Stomach and throat called Globus Hystericus - Sleepiness Convulsion - Coldness down the back and head - Pale urine and great discharge of it - there is moreover a great affection of the Mind wh is very inconstant according to Dr Sydenham the Mind in Hysteria is constant only in inconstancy - It is also affected with

with despondency frightful dreams &c— It is remarkable that the bowels first feel the effects of the remote causes of Hysteria — Hence the Stomach & alimentary Canal have a Sensation of Coldness —

Hysteria occurs in form of every disease to wh the body is susceptible — It has been properly termed the Protheus of Diseases Resembling all Chronic diseases — As - - - -
. . . . - - - - - Palpitation of the Heart Cholera Morbus Dysenteria - - - - - - -

It frequently is alternated with Swelling of the Legs these may be distinguished from the dropsical Swellings by their disappearing soon after the Patient rises — they only occur in the Morning — Legs & face especially the Eyelids are swelled with a kind of Halitus — It is attended sometimes with Ischuria & in one case with Salivation — pain in the Limbs — Head ache — Coldness of the extremeties — Clavis Hystericus or Sense of a Spot on the Head besides these Symptoms it is attended with great excitability of the mind & any of the Passions wh are of very short ~~dura~~ duration Anger — Love — Jealousy &c are readily excited & soon subside — It is attended also with obstinate wakefulness or the

Contrary

Contrary It is attended also with great Disposition to Laughter or Crying - Sobbing - the Disposition to laugh is the most constant of these Symptoms - It is seldom absent from Hysterical Patients - The Reverend Mr Duchea formerly of this City would with difficulty restrain from Laughter even in the Pulpit -

For a Complete History of the disease I refer you to Dr Cullens History of one of its Paroxisms — -

It attacks women more than Men - seldom before Puberty or after 35 or 45 years of age tho cases have occurred of its attacking Children & old people - I have known it in a Child 2 years old & in a girl of 6 -

It continues sometimes from 45 to 55 or till the menses begin to cease - It is not confined to women of Delicate habits - It now & then occurs in those of masculine Constitutions - The Predisposing cause is debility - the remote causes are such as act on the body or mind or both - The Fluor Albus Strong venereal desires - Strong Drink especially Tea hence its frequent occurrence in Kitchen maids who are addicted to excess in the use of this article - absence of the Menses

The Remote causes which act on the mind are the Passions of the mind - as malice. Envy

Love

Love - grief - Fear - &c - The exciting causes are such also as act on the body & Mind as certain odors impure air & those wh act on the mind are the emotions of Joy Terror Anger - Surprize - the passions are Remote - Emotions exciting Causes - Thus Remote causes produce great debility mobility of the Nervous System or by creating a great quantity of floating excitability in the System wh is converted by the exciting causes into excitement - Great contentions among Physicians have arisen concerning the distinction of Hysteria from Hypochondriasis - These are easyly distinguished - In the former there is a greater degree of Irritability of mind - where as in Hypochondriasis there is constant dishep of Mind - 2nd There is a greater degree of excitability in the mind in Hysteria -
3d Hysteria occurs most in Summer - & Hypochondriasis in the winter - 4thly ~~Hysteria~~ Hysteria affects women more than Men - The reverse of this obtains in Hypochondriasis -
5thly In Hysteria the Presence of Globus Hystericus occurs - never in the former -
Lastly the absence of Dyspepsia, wh always occ occurs in Hypochondriasis is sufficient to distinguish this from Hysteria - In Short Hypochondriasis is to Hysteria what Typhus is to a Fever attended with Synocha action -

The

The Cure of Hysteria naturally divides it self into 2 heads - the one to Cure a Paroxysm the other to prevent the Recurrense in Patients predisposed to it -

The first Remedy in a Paroxysm attended with Plethora is blood letting - this Should always be used if the disease proceeds from obstructed Catamenia - Persons ought never to be neglected in a Paroxysm since it often terminates fatally - 2nd opening the bowels by Stimulating Glysters for Purges cannot be exhibited for the patient is unable to swallow 3rd Certain Stimulating odors wh act on the Brain as burnt Feathers asafoetida &c - I have heard of a Country practitioner near Boston who cured a Patient by presenting to her nose his foot very warm from his boot (in Summer) the Stench of[?] it acted more powerfully than all the other Medecines wh had been tried in vain - 4thly Pediluvium has been used with Success in a fit of Hysteria 5thly Cataplasms of Mustard and Garlic to the feet - where Syncopee attends a Paroxysm of Hysteria Cold water Should be thrown in the Patients face - a Symptom wh often occurs and Should be relieved if Possible is a collection of Air in the bowels - this Should be discharged by introducing a Glyster pipe

pipe into the anus — In one case the retro graded action of the Intestines was such as aided by the contraction of the Sphincter ani broke the Glyster pipe in half — Opium may be exhibited with advantage — I have used flour & water in some cases with good effect It only gives the Stomach some thing to act on and thus prevents in some degree this ~~format~~ collection ~~ion~~ of air.

The 2nd Class of Remedies viz such as are exhibited to prevent the return of the Paroxysm are of a Tonic Nature — the first of them is the Cold bath — this is often used with great advantage in Hysterical constitutions according to Dr. . . . . . a French writer — the water should be applied a much longer time than is usually done — he says by keeping the patient immersed in cold water for the space of 20 hours he destroyed the mobility of the Nervous System predisposing to this disease — 2nd certain Gums possessed of Tonic qualities as Assafoetida Galbanum — S . . . . Myrrh &c and 3rd certain metalic Tonics as Steel in large doses — Cuprum amoniacum has been used by Dr. Cullen with advantage — Zinc & Assafetida Combined the former is the dose of 2 grains the latter 3 grains twice a day — I have known this of great use during Hysterics

Hysterics (they are much more useful here than in Epilepsy as in this disease there is less morbid action) - Certain Stimulent applications to the abdomen - a Plaster of Galbanum I have known used with advantage - 5thly Certain compress bandages - Van Sweeten Relates Cases of Hysteria Cured by the tight application of the Roller all over the body & Limbs of the Patients - I once tried it on a girl of 19 or 20 with great advantage - 6thly an accommodation of Diet to the State of the System Should be attended to - It ought to Consist of Stimulent food but such as will not render Plethoric by too much Nourishment - 7th Exercise especially riding on horsback - 8th the Constant pursuit of some one invigorating occupation as of Gardening - Women predisposed to Hysteria Should have their minds employed in collecting & Cultivating seeds from different parts of the world - or else Should have their attention taken up with the care of a Family I have seldom known a good house wife affected with Hysteria - It is often only Ideal & here unless the mind be occupied the Patient is never well - A Lady in affluent Circumstances was constantly affected with Hysterical complaints - A female Friend whom She asked how

to

to cure herself - answered very judiciously
" fall down on your Knees and Pray fervently
to the almighty to send you some real
Trouble and this will banish all your
real complaints - 9thly Some Steady Passion of
the Mind grief and distress have often Cured
it this it does by fixing the mind const-
antly on the object that excited it and thus
tends to remove the mobility Spoken of -
I have Known the Death of a favorite Child
perfectly eradicate this disease in a fond Mother
Dr Cullen has remarked that in Scotland
no women were affected with Hysteria in
1745 - this year was attended wth great trou-
ble and Calamity over all that Land
owing to publick troubles (Rebelion &c -) and
the minds of all the women were taken up
with the Idea of Husbands or brothers fate
Wilkins relates the case of the wife of
an apothecary in London perfectly cured by
embracing the Religious opinions of the method
ists - the Principles - Obligations & duties neces-
ary in ~~Rel~~ new Situation engaged her wh-
-ole mind - 10th Change of Climate - Matri-
mony frequently ~~E~~ Eradicates Hysteria especia-
-lly if it be attended with Child bearing -

She

The next disease under this Joint head (Nervous & Arterial) is the Asthma a Difficulty of breathing coming on with Spasms of the Muscles of Respiration and attended with an expectoration more or less copious - distinguished from Dyspnea & Pneumony by not being accompanied with fever or cough (Cullen) Its predisposing causes ~~is~~ debility wh is sometimes hereditary depending on a peculiar conformation of the Lungs or thorax - It often proceeds from gout - It seldom continues longer than 30 years - but Sir John Floyer Relates that it sometimes continues during the whole course of ~~a~~ the longest life - It generally commences at about 30 and Continues till the Evening of life -

The usual exciting Causes are great heat after exposure to Cold, or Cold succeeding heat - Certain winds more or less dry or moist - Certain Passions of the mind - Repelled Eruptions - certain odors - Pregnancy - in women it is frequently excited by the pressure of the Uterus upon the Diaphragm - Certain Indigestible substances in the Stomach - as in one case I knew it excited by a Buck wheat cake by Waffalls - Asthma comes on in 2 forms either the Spasmodic or Pituitous

in

in the former there is but little Discharge from the Trachea - the latter a very great Discharge its Seat is the Bronchial vessels and its most usual action is in form of Spasm - In the Spasmodic Asthma there is most cough it occurs in Early life - the humeral or Pituitous occurs in old age

Are there any precursors to Asthma? yes, they are Lassitude uneasiness - uneasiness about the breast - Drowsiness especially after dinner - Cold feet - and a Dyspnea at Night - here it may be prevented by the Pediluvium a Purge or dose of Laudnum &c or Blood letting according to Circumstances and the degree of Morbid action ——

The Cure of Asthma divides it Self into two forms - - First the Cure of Paroxysm Second the prevention of its recurrence - the first Remedy in the Paroxysm of Asthma is Blood letting - this must always be used if the Pulse is full or tense - but it Sometimes happens that the Arteries are ~~most~~ not affected and here blood letting is equally necessary tho not Indicated by any Signs of Morbid action in the Pulse - It is to be used then if Pain occurs tho' the pulse be regular

Mr. Pope Says he was much troubled with

this

with this disease during the latter part of his life and was indebted for relief to the occasional use of the Lancet — I remember an old man of 60 by the name of Robt Porter who used to pass his life tolerably easy by use of Bloodletting in fits of his asthma — it continued to the end of his life — 15 or 16 years after its first attack and each fit was thus relieved — Bloodletting acts in this case 1st by preventing those obstructions of the Bronchia wh Sometimes lay the foundation for Tubercles & Pulmy Consumption 2nd by giving Relief from Pain & ~~[illegible]~~

2ndly Vomits are proper by exciting action in the Joining Parts — Squills are commonly used but I prefer other Emetics as they act with more certainty & force as Ipecac. is the best emetic — 3d Purges these are to be given if Bloodletting & Emetics are not allowed and where Costiveness attends — when the disease is attended with great morbid action — Cold air Cold water — & Cold Drinks are to be had recourse to — Sir John Floyer after the reduction of morbid action in this manner properly recommends Liqd Laudm This should be given in Small & frequent doses — The warm water is to be afterwards

afterwards applied - 8thly blisters to the Breast I have often seen these act in Asthma like a Charm & cure it - Acids vegetable or mineral may be used with advantage & vegetable food these can only cure the disease in the decline of a fit - in this state Tobacco has gained great credit by curing the disease - lastly warm air -

Sir John Hawkins in his life of Dr Johnson tells us he could never Breathe free unless he was in a warm Room or near a warm fire - here Gentlemen is an Instance of 2 Remedies directly opposite both being useful in one complaint - the success of either depends on the State of the System in wh it is exhibited - hence much contrariety of Opinion concerning concerning the use of Medicines has prevailed among Physicians, from not specifying with sufficient accuracy the particular states of the disease in wh they are proper there has been a supposed contradiction but this is the ~~Ca~~ Reason of it -

Before we proceed to speak of the Remedies calculated to prevent a return of the fit it will be proper to enquire is Asthma a curable disease? Yes: It has been cured by the following accidental circumstances - first Pregnancy many have been cured by this, 2nd

2nd by the Change induced in the System by the Cessation of the Menses - 3d By a new disease affecting the System - the Morbid action in one part being so strong as to over come it in an other - 4th by a Change of Climate - the Efficacy of this Last depends on the nature of the disease and on the Climate to wh the Patient removes thus in the Pituitory Asthma the Patient Should remove to a dry Climate - and in the Spasmodic moist air Should be resorted to - Sir John Floyer was well in the City of London (from Asthma) from its moisture - A case was related to me of a Person who could only sleep for asthma in a Cave in the Island of Providence from its moisture - one Reason why City air is favorable to Asthmatic Patients is its great moisture and its experiencing less the vicissitudes of the weather - the Barometer will tell the state of the weather sooner by half a day in the Country than in Town -

Moisture from holding a Sponge with water in it before the Mouth enables travellers to resist the hot air of the deserts of Africa - This Moisture is proper in the Spasmodic Asthma Dry atmosphere is proper in the Pituitous or Mucous state of Asthma - Lord Shaftsbury was unable to breathe in London owing to its moisture

Dr. James Late of this City was forced to move

here from Newyork owing to the moisture of the air of that place

Dr. Cullen says no medicine will cure this disease he probably formed this opinion from observing only cases of half cured Asthma – The following Remedies should be tried 1st Bloodletting where ever indicated by the premonitory symptoms of an approaching fit – this is of the first consequence – A low diet should be also enjoined – we should be more or less rigid according to the state of the system – 2nd avoiding all the exciting causes – 3rdly a Seaton in the side or arm – 4th Cold bath – 5th hard labor – & the Indian mode of life perfectly Eradicated it from Mrs Rowly which she induced in consequence of being taken Prisoner by them – where this cannot be perscribed exercise, especially a long Journey should be ordered – the Patient should sleep on a Mattrass – 7thly when the disease can have proceeded from a suspension of an old habit it should be renewed

I knew a return to the practice of Snuffing cure a Lady of this disease

4thly Garlic used as an article of diet has been found useful – also oil of Amber – & Tar in any form – that of a Pitch Plaster

Plaster may be used - these Remedies will produce much more powerful effects if used immediately before an expected Paroxysm - as was observed of Bark in the Cure of Intermittent

Lastly Change of Climate

Dyspnaea

Dyspnaea differs from Asthma in being Perpetual - It is some times accompanied with a Cough - the difficulty of breathing is not so great as in a fit of Asthma - It proceeds very often from the same causes as Asthma - also from a Collection of fat in the Thorax - or an effusion of water or Pus in it now & then from a Tumor in the Trachea of wh I knew a Case wh terminated fatally (Con) a Similar one is related by Morgani - Dyspnaea is often connected with Inflamation or enlargement of abdominal Viscera particularly the Liver

The Remedies are the Same as for a fit of Asthma - Bleeding Should always be used but it is Seldom Curable —

Angina Pectoris

Angina Pectoris This is a Spasmodic disease of the Muscles of the Breast frequently accompanying Gout - Hysteria & Hypochondriasis hence there is frequently a Cough attending it - Some times it attends pulmonary Consumption

Pulmonary Consumption - It differs from Dyspnœa in the fact that no Morbid appearance can be found in the lungs -

It has hitherto been considered incurable this is because it has been treated Empyrically It is as much subject to medicine as any other disease - this disease occurs with 2 states of action - 1st with great morbid excitement ~~&~~ in this stat the pulse is affected - the Remedies here are blood letting - I have known it cured by 2 bleedings - Purges should also be used after these - and when there is feble morbid action tonics are to be used - The Mineral answer best as Zinc White Vitriol &c Issues also should be used to prevent a Return of it when cured

The next Disease of the Arterial & Nervous Systems is the

Whooping Cough

This disease is often Epidemic and is then evidently contagious - Dr Sydenham never saw a case of it accompanied with fever - Dr Cullen frequently saw it accompanied with fever of the Intermitting or hectical kind wh in some cases was attended with delirium - I have had reason to coincide with Dr Cullen - a few cases occur in wh I have not found Symptoms of Fever - generally of the

of the Catarrhal kind – it is principally confined to Children tho' I have seen several cases of it in adults – It takes its name from a sonorous cough which sometimes attends but I agree with Dr Cullen that the whooping is not a constant Symptom – It is formed in Inspiration – frequently it is accompanied with Vomiting – In many cases it has been accidentally cured by Change of air – of this I knew an instance by removing a Child to Germantown – in 3 weeks it recovered – Dr Sydenham supposed this disease "Malum pertinacissimum fere incurabile" – I have never lost but 3 patients in it and in one other it terminated in Pulmonary Consumption – the other 2 died in Paroxysms – This tho' I have never cured a Case of it but I think I have prevented Death in many & this is all we can do in Small Pox –

The Remedies for it are Bloodletting if it commence with much morbid action – this is certainly proper – we must – we must pay attention in our Prescriptions of it to the age of the Patient state of the System & season of the year &c – 2nd Emetics of Squills – Ipecacuanna Tart Emet &c – 3d Purges of Cal & Jalap are proper if we can't use the above remedies – 4th Cold air 5th Fear – I have known it

it cured by placing ~~a~~ Child^ren^ on the back of a Snarling bear - I was thus cured my Self - It is strange that Dr Cullen should have called fear a Tonic in this case. It certainly acts as a Sedative reducing morbid action - After great Morbid action is reduced by these means - Stimulants may be used as Opium - If convulsion attends Oil of Amber is to be used - Garlic Tinct. Asafetide &c - Some have used Cantharides but of this I can say nothing of my own experience - Sach. Saturni has been used with advantage - I think it might be useful in Small doses - Certain stimulant applications to diff. Parts of the body as Pitch also Blisters to the Neck & Side bathing the Side with Rum in wh Garlic has been infused is a remedy used by the good women with advantage

Exercise but above all Change of Air - Dr Cullen has known it cured by 2 or 3 alternations from town to Country - also Bark &c The disease continues commonly for 6 weeks and many Superstitious Remedies are used for it - Thus the advice of a woman wh has never Changed her name - Of a Man who rides a Pyed horse &c -

L. Colme

Lecture 60th

The Next disease in order is Tetanus
This is a disease principally of the Nervous System & is rarely & feebly that the Arterious are affected - the Seat is the muscles generally which I include in the Nervous System -

Tetanus is Divided into Emprosthotonos when the Convulsion affects principally the Muscles on the fore part of the body & the head is bent forwards 2nd Opisthotonos where the body is bent a contrary direction way back-wards when by the Contraction of the mus-cles closing the lower Jaw - this is locked the Disease is called Trismus - for a more particular descrip of the disease I refer to Dr Cullen - I never saw a Case of Emprosthotonos
The pulse in Tetanus is Commonly Nat-ural - according to Dr Lining it sometimes is as low as 30 or 40 strokes in a Minute
The predisposing cause is debility & the re-mote causes any thing capable of producing debility either Direct or Indirect - as working at hard Labor - Parturition (long protracted) application of heat to the body hence its more frequent occurrence in warm Climates & warm

warm Seasons &c—

Its usual exciting causes are cold applied to the body after it has been exposed to heat hence it is frequently brought on in Madras according to Dr Girdlestone by Soldiers Sleeping on the damp ground after a warm day — he says further that it is very often produced in Soldiers who expose themselves to Streams of Cold air when they are warm — The Chickens die from the moisture of the Earth & consequent Coldness at Madras — wh are confined all Night in Coops not raised to a certain distance from the ground — Dr Barton of South Carolina says it is frequently excited in the Negroes by cold when their bodies are heated — the 2nd Exciting cause is Terror from this cause it is Some times induced in Soldiers — I heard of a Woman in whom it was produced by the Terror induced by seeing a girl tread on a nail 3r Worms & other Irritating Substances in the Alimentary Canal — Morgani Relates a Case from worms — I have known it from the Stimulus of the Meconium in the bowels of Infants 4th it is Some times produced by certain vegetable Poisons — as Hemlock Water or Stra~~ra~~monium &c 5th It is Some times a Symptom of fever and occurs in Gout

Gout – 6thly It also occurs in the disease from the bite of a Rabid animal but lastly it is most commonly brought on by wounds of tendons or nerves – not only in these but also in other parts of the body contrary to general belief – There are many other Injuries wh excite it – as 1st Gunshot wounds & Fractures – 2nd Amputation – 3rdly a Nail Run into the foot & hand – 4th by injury to the foot by frost – 5th from Injury from Stumping the toes in walking & from buckles – 6th from Cutting a Nail too Close (of the toes) 7th also from cutting a Corn too Close – 8th – from wearing too tight Shoes & thus abrading the Skin – from corns on the Toes 9thly It arises from a wound not more than the Eighth of an Inch deep in the forehead of a Man in Charleston S. Carolina – 10th It has been caused by cutting the navle String with dull Scisors – 11th from a broken bone being set –
12th
13th
& lastly from the sting of a wasp on the Glans Penis – a case from the 12th cause occurred in the Penn Hospital –

Between the Time of the Action of the remote Cause & the appearance of the disease there

there is an Interval continuing from one day to 6 weeks — In one of the Patients in Dema-r.... it was excited the day after the Remote cause was applied - & in the Negro in whom it proceeded from a wound of the fore head it appeared next day after the accident happened & on the other hand when the disease was pro-duced by running a nail in the foot it was 6 week-s after before it occurred - when the disease proceeds from wounds I have seen the ex-citing a moderate degree of Infl^{n} attend tho the wounds were healthy before the Symptoms of Tetanic affection come on — It occurs in new born Infants from the Stimulus of the Meconium in the bowels here a purge will prevent the disease wh is incurable when it appears — The falling of the Jaw as it is called in the West Indies is Tetanus from this cause It occurs there principally ~~from this cause~~ among the Negroes rarely among other Children the Reason of this is that they are exposed more to cold and other exciting causes of the dise-ase as first Cold air - Cold - water ~~& cold~~ after ~~cold~~ heat — 2nd

3^{d} - from the acrid Meconium in the bowels & lastly to Cutting the Naval String with dull Scisors as wounds with blunt Instrum-ents are most apt to produce the disease

There

These are the Causes wh most commonly prod-
uce the disease among in Children - but they are
moreover exposed to more of the 14 Causes above
mentioned than adults

It has been asked why is the Temporal Mus-
cle the part most affected with Tetanus? - I
answer the whole Nervous & Muscular Systems
are a unit - any thing wh acts on one part
affects the whole - unless one part is more
debilitated than the other - now this is the
case with the muscles of the Jaw - it is weak
-er than the other Muscles of the body by being
seldom used except when we are eating
of course it is more liable to impression than
any other Part - Here then is an exempli-
fication of old Dr Hoffmans Opinion "Atonia
Gignit Spasmos" The premonitory
Symptoms of Tetanus are a Stiffness &
rigidity of the muscles of the Neck with a
disposition to bend forward - Costiveness
pain in the lower Jaw & in the Stomach
in the last a dose of Opium or an Emet
ic will prevent the fit as also other Strong
Stimuli - also the inflaming the wound
if it proceed from one will prevent Teta-
nus It may be done by Spanish flies
common Salt corrosive Sublimate & in the
west Indies Lime Juice is used with

with advantage — for the same purpose Inflam.n is not easily excited tho' when the disease is formed a morbid action is present — Stimuli should also be used in the forming State of Tetanus from the usual Remote Causes of Autumnal Remittents — but we must desist when the disease is completely formed — the Remedies now used in Tetanus are wholly of a Stimulent nature — Opium and Many others are exclusively relied on — and Success in the use of it is rare as Morbid action is too great to be thus overcome — Bark wine — Oil of Amber eating Oil are in use — I adopted this practice long ago and added to my list of Stimuli, but in spight of my reinforcement I continued unsuccessful — I concluded it proceeded from my imperfect theory of the disease (that it consisted in debility and medicines were to be given calculated to cure the debility — But the Proximate cause of the disease is not Debility but morbid action and as I heard of 2 Cases cured by bleeding & I adopted that Remedy and used it twice without effect, perhaps because I was called too late The System in this disease is so prostrated that blood letting cannot do good — what might be the effect of a very copious blood letting as 100, or 200 ℥ I cannot say — probably it
might

might be successful — but this large depletion has not yet been tried — Cold is an other Remedy of perhaps greater efficacy — Mr John Hunter had a high opinion of Cold in Tetanus — he said in his Lectures that if he were attacked with it he would fly to Nova Zembla or throw himself into an Ice house — The Efficacy of it depends on its destroying morbid action perhaps it might be very usefully employed by the application of Cold air or cold water might be carried to so great an extent as to equal that of Nova Zembla or an Ice house if the Prejudices of Patients would admit — I had a Case in consultation with Dr Physick in wh a great degree of Cold was applied constantly but the Man died — When the disease proceeds from worms or other Irritating matter in the Intestines or Stomach vomits & Purges should be administered. — and also if it be a Symptom of Intermittent fever — they here act by prod-ucing - - - - - - - - stomach & bowels —

By these Remedies having reduced morbid action we are next to overcome the action by Tonics and endeavor to diffuse action from the muscles to the blood vessels or all over the whole System and to produce healthy ex-citement in the muscles — The medicines here proper are 1st Opium from 10 gr to a

simple

to a Scruple of Opium may be given daily —
Oil of Amber this appears to act Specifically
on the muscles may be given from 6 to 8 drops
every hour — 3rd wine this Should be given
in large quantity — by Quarts or even Gall-
ons — Dr Currie in LiverPool cured a
Patient by making him drink a quarter cask
of wine (Maderia) 4thly Ardent Spirits this
acts more quick & powerfully than wine &
is to be preferred — A Quack in Boston cured
many Patients by this Remedy when asked
why he prescribed it he answered, because
he had observed drunken Men always
have their Jaws loose — 5th Bark in large
doses Should be given — 6th the Cold Bath
Dr Wright performed many cures by this rem-
edy when the disease occured in the form
of fall of the Jaw — when Spasm occured
he dashed a Bucket of water over his
Patient and relieved him — This remedy
proved effectual in a girl in New Jersey
in whom the disease occured in form of
Opisthotonos — She was blind & dumb from
the disease & a few buckets of water dashed
over her effectually cured her — Dr Girdlestone
Stone Says the Cold bath proved fatal in
every case when it was used in Madrap
the Reason is obvious — from the extreme

debil

debilitating effects of the climate the cold was unsuccessful but when the action is in a more powerful system as here the cold does not produce debility but merely abstracts the excessive excitement of the system — 7th Mercury should be used in this stage of the disease it has often cured this disease — It is not often that Mercury will affect the mouth in tetanus — 8th Blisters should be applied Dr Gridlestone says he never saw the disease prove fatal when the blisters ~~ever~~ excited an Inflammatory redness on the skin —

Inflamation might probably be excited by other means and prove equally useful as by hot water where medicines cannot be exhibited to the stomach on account of the Trismus It may be readily done by extracting one or 2 teeth or if this cannot be effected the mouth must be forced open — A Celebrated Dentist has invented a very good Instrument for this purpose — The Jaw fall or Trismus nascent- . . . . . is always fatal — I have never known a recovery — but it may be always prevented by giving the Child a purge a day or 2 after Birth — I have now delivered to you all I know on the Subject of the Remedies proper in ~~Trismus~~ Tetanus — I will now read you a letter from Dr Brown Professor of Medicine in

in the College of Kentucky a man of the greatest respectability - after a few observations on the importance of the freedom of opinion ~~in Medicine~~ he proceeds "Having divested myself from the effects of fear from medical Tyranny and having in vain tried Opium in a Case of Tetanus in wh Mercury had no effect and all the Remedies mentioned in your Publications - I prescribed the Tincture of Cantharides in a dose suf-ficient to produce the most violent inflamation on the bowels & Stomach and urinary Passages the Patient (a woman) discharged much blood in consequence from the bladder & by Stool but this could not have sufficient to produce the good effects by depletion - She Recovered and now enjoys good health

N: Gent I do not suppose the blood discharged could have any influence on the dis-ease the Case affords an Illustration of one of the Principles contained in our Therapeutics viz one ~~part Relieve~~ That of Morbid action in one part Relieving morbid action in an other - here action on the alimentary Canal relieved it in the Muscles

another

Another disease to be considered under this head is **Palpitation of the Heart**

For a discription of the disease I refer you to Cullen - It sometimes proceeds from Aneurism of the great Arteries - Aorta or Pulmonary. near the heart or (in one case) from an Ossification of the Artery - I is frequently attended with a difficulty of Breathing - It is not curable from either of the above causes - and is only to be suspended by occasional bleeding - temperance & Equanimity of Mind & Temper - the Pulse is generally in this Complaint what I termed Aneurismatic - this pulse is so peculiar as never to deceive you if you have once felt it - by the above Palliative Remedies Patients may pass their lives with tolerable ease - I know a Lady in N. York who has had the Complaint many years - It comes on when ever she uses violent Exercise &c - It is often a Symptom of Fever - as Yellow Fever & I formerly mentioned of Diabetis on the authority of Dr. Rollo - It is often the effect of Storm - & the Pulse descends to 7 or 9 Strokes in a Minute - here the Pulsation is entirely resident in the Arteries - the Heart

the Heart is in a State of Syncope and does not act — I mentioned a Case of palpitation of this kind wh occurred in Dr Reed where from the noise occasioned he was induced to believe some one at his Door — Dr. Relates a Similar Case — In some the disease has continued so long & violent as to Raise the Sternum Sensibly from its natural Situation — It yields in all these Cases to bloodletting gentle Purges & afterwards Tonic medicines — It often occurs in Epilepsy & Hysteria here also it yields to bloodletting —

Hiccough

Hiccough — This is a convulsive motion of the Diaphragm occurring after Laughing — and when the Stomach is distended with food or wind — Apples are very apt to cause it from disengaging wind

It is mostly a Symptom of general Fever — Tho' sometimes of a general disease whenever it is attended with great morbid action ~~action~~ of the Diaphragm blood-letting should be used — 2nd Fear this frequently cures it hence School Masters frighten Children to Cure them of Hiccough

3rd Oil of Amber is an excellent Remedy 5 drops every 2 or 3 hours where depletion is unnecessary — Ginger

Calamus

Calamus & other Stimuli may be used with advantage — Nine Scollones of water has cured it! Porter — Laudanum Thiracca Plaster

Lecture 6th

The Next disease is Chorea Santi Viti St Vitus's Dance — This disease is principally confined to Children — It commonly affects like Hemeplegia only one Side with convulsive motion — I never Saw it affect but one adult and that was a Woman of 70 years of age —

The Remedies are Bleeding Purging Tonics & Particularly Steel ——

We proceed next to Dyspepsia as the first of the diseases of the Alimentary Canal wh also include Cholic Diarhoea & Costiveness —

Dyspepsia is originally an ~~Disease~~ affection of the Stomach — but the Arterial & nervous Systems are affected also — It is defined by Dr Cullen a Want of Appetite — Sometimes a vomiting Sudden & Transient distensions of the Stomach — Eructations
Eructations — generally

generally Acid, Heartburn - Pain in the Region of the Stomach - and a bound belly - all these frequently concur in the Same case -

The causes wh generally induce this disease are such as act directly on the Stomach & alimentary Canal - or indirectly through the medium of the whole System - among the first is the habitual use of Strong Tea - Coffee & certain other articles of Diet - also the habitual use of Opium & other Medicines - as Nitre - Tart Emti - Tobacco - Ardent Spirits - The frequent use of Acid Aliment & Such as readily undergo the acetous Fermentation - hence the frequent occurrance of the disease among the Germans who use Sour Kraut - or 2nd Such aliments as act by over distention of the Stomach Frequent Repletion of the Stomach with aliment 3d - frequent Repletion of the Stomach with cold water & other Liquors - The practice of drinking Cold water in the morning is very unwholesome - It acts by debilitating the Stomach also Cold Water in too large quantity at any time - 4th Swallowing Aliments without sufficient Mastication commonly called bolting has produced this disease in many Persons - It is done by men of great business intense Study and also arises from bad teeth - Emetics frequently used has been known to

to produce Dyspepsia - A waste of Saliva
from the Practice of Chewing or Smoking
Tobacco - by By the intemperate use of Sugar
I knew it excited from this cause in a Gro-
cer who was obliedged to taste a great many
Parcels in a day - Hoffman relates a case from
the same cause - I have known it produced
in 2 cases by the excessive use of Nitre in 2
cases of Pulmonary Consumption - Nitre never
produces this Effect in accute diseases - but in
Chronic it should not be used in too great
quantity - Those causes wh act indirectly
on the Stomach through the medium of the whole
System are in the first place Indolence; Vex-
ation of mind - Excess in Eating, drinking
& Venery - frequent Intoxication - Moist &
cold air - Sailing & Pregnancy - The predis
-posing cause of the disease is debility produced
by any of the above causes - This creates Morbid
action in the Muscular Fibres of the Stomach
- all the Symptoms before enumerated as
Gastrodyniae Eructations Heart burn &c
are all the effects of this morbid action in
the Muscular Fibres of the Stomach - There
appears to be a wonderful accommodation
of the Stomach to the quality & quantity of food
in Health - in diseases however this does
not obtain and great attention must be

paid to these Circumstances and to the heat and cold rup of it - A 2nd Remark that here presents it self is the great connection of the Stomach with life - Dr Cullen called the Stomach Emphatically the . . . . of the nervous System - not only our Pleasures & Pains depend on the State of the Stomach but even our virtues & vices - hence a respectable Clergyman advises never to Preach before breakfast - Lord Chesterfield Says the Duke of Marlborough So well knew this fact that he says if he were to fight a battle for the empire of the world he would chose for his army if to be composed of British Soldiers Englishmen with full Stomachs Irishmen Drunk - & Scotchmen with no food in their Snapsacks

Cardinal - . . . . goes further & advises Politicians to make a motion in a popular assembly before dinner - for the Same reason I would advise never to present a Subscription paper for a Publick or private Charity without being sure of your Patron having dined - perhaps this Custom might be a useful hint in asking a Ladys hand in marriage - The most frequent cause of this disease is food - Vapid aliment produces it in many cases - The Germans are very

very liable to it from the quantity of Sour Krout they use & the disproportionate exercise they use for wh it is not nourishing enough - I have rarely known the disease from the use of Animal food - 2nd from the intemperate use of ardent Spirits - this is very frequent cause -

Dyspepsia from this cause has some pecul-iar Symptoms - these are of vomiting in the morning before breakfast - hence Farmers & Country people call it - - - Sickness - a Pallid face some what bloated also Tremors and Nausea before a Morning dram gives tone to the Stomach - a Peculiarly Fetid breath - almost inflamable - A burning Sensation in the Palmes of the hands & Soles of the feet a Viscidity of Saliva - Swelled legs - these Symptoms frequently terminate in obstruc-tions of the Viscera - dropsy of the abdomen & Anasarcous legs Palsy - apoplexy - Epilepsy Mania Death &c &c &c -

The Remedies for Dyspepsia Generally are either Palliative or Radical - the Pal-liative Remedies are Magnesia - Chalk Lime water (absorbents to attemind or absorb the acid in the Stomach & so give ease - Also Volatile alkali this further does good from its Stimulant powers - Also Common Salt I have seen a Teaspoonful of Common Salt

Salt of great use in Palliating the distressing Symp-
-toms of this Complaint — Also Milk this
is decomposed in the Stomach & obtunds the
acid thereby uniting with it — Opium is useful
in assisting digestion & thus relieving it —
Many Persons in Tollerable health are
unable to digest a single meal without
using a dose of Opium before (case) Dr
Whytt mentions a Case of a Lady who was
forced to take 30 drops of Laudanum to
enable her to digest her dinner & fortify her
Stomach

The Radical Remedies for it are 1st
the avoiding and abstaining from all
from all the remote causes of the disease
2nd Emetics I generally begin the Cure of D.
by an Emetic of Ipecacuanha or White
Vitriol as these are Supposed also Tonics

Next certain Stimulating Vegitables & Min-
erals as Certain Acrid Substances as Garlic
or certain Bitters as Camomile Quapia —
Centaury Columbo Gentain &c &c — These
Remedies are best Exhibited in Water & this
should be fresh made every day — their Success
depends on their being used in Succession & con-
tinued a long time — They all exert a Specifically
different action — Mustard Pepper Ginger — Horseradish
Garlic Lemon Seeds &c should also be used — the
last

bark is best infused in Spirits — but it must be prescribed with Caution — also Mineral & other Stimulants are to be prescribed as Elixr. Vitrol & diff^t. Prescriptions of Iron — also Vegetable & Mineral acids — I prefer Iron to any of the Metal i.e. Stimulants — the Rust or Sal Martis may be either used — The diet should be accommodated to the disease — this is of the greatest consequence it must be in Proper Quantity & Quality & be taken at proper times — The Quality should be attended to it may consist of Beef — Mutton Veal Venison — wild fowl — also Oisters Lobsters fish &c all more or less Stimulant according to the nature of the Case — The wild fowl & soft Parts of Oisters are very Proper as they are very digestible — It should be taken very frequently through the day and even when the patient is waken in the Night — when empty like an Idle School boy it will be doing mischief but it must not be too much distended — Small Quantity should be taken frequently — as little drink should be taken as is possible — it disposes the food to be thrown from the ~~lefthan~~ fundus of the ~~Pylorus~~ Stomach or else impairs digestion by hurrying the food before it is perfectly disolved into the duodenum For the same Reason Broth is improper as an article of Diet especially if it be made hotly of

of Vegetables — Patients may use beef Tea in small quantity — they should be surprized with an unexpected dish — Anticipation will destroy appetite if this is not done — It should be sent him in a small quantity — he ought never to sit down to the table with the family as the effluvia will destroy appetite — Horses eat more if small quantity be put in the Rack than if a large portion be given them at once — each kind of food should be taken alone he may eat in a Horizontal Posture before he rises in the morning — and it is more commonly retained on the Stomach when it is taken in this manner — Exercise when it can be taken should be used — walking 30 Miles a day would probably do good — A vegetable diet has in some cases cured the disease when other Remedies have failed — Mr Hunter advises it in Dyspepsia —

I have known one Case cured by a diet consisting exclusively of Turnips — Milk diet has sometimes this effect — Butter has generally been considered improper in Dyspepsia I have not found it injurious — Fat meat & Butter (not stale) would rather do good by preventing the Acetous Fermentation — Dr Cullen says Fat renders meat more digestible by intervening between the fibres — it generally agrees with Children and ought not to be prohibited —

It is

It is true. Some Stomachs cannot from a particular Ideosyncrasy bear it but the same remark applies to honey & many other articles of diet — All the world bears witness to the efficacy of butter in promoting the digestion of Fish —
But the Stomach I repeat must be always employed — If Patients wake in the middle of the night they should eat — I have even advised some of my patients to carry meat & bread in a box & take it occasionally instead of Tobacco — The drinks in this disease should consist of Maderia wine & Sherry or Porter — if these are not sufficiently stimulant Brandy & water — but this should be allowed with great caution — Dr. Fothergill used to lament in the last moments of his life the innumerable mischief he had done by allowing his Patients the use of it — he had thus made many Sots — Simple water of a proper Temperature or Toast & water answer very well where all these Remedies fail a Salivation should be excited — here the morbid action is translated to the mouth & the stomach is allowed time to recover its tone — Costiveness must be carefully avoided for this purpose Aloes or Rhubarb should be occasionally used to open the bowels gently — Salts Castor oil and other Purges ought to be avoided —

In

In Same cases the Complaint terminates in Schirrus & Cancerous tumors & here Patients Die in great pain —

On the Cure of Dyspnoea from strong Drink it is Some times necessary to use a Specific treatment

It has here been recommended to break off gradually from the use of ardent Spirits — but this is improper it Should be immediately relinquished — This may be accomplished ~~by~~ in the first place by exciting an unpleasant association of Ideas and motions as by adding to the Spirit unknown to the Patient tartar Emetic — this I have known produce Such an aversion to strong drink in a Negro Servant that he could not for 2 years bear the Sight or Smell of it — I knew an other Instance when drunkenness was cured by infusing a Snake in Brandy — The Idea of it ever after excited such horror when ever Rum was presented that it allmost Sickened the man to look at it I knew a boy affected in the Same manner by tartar Emetic in water mellons wh he Stole — Moses was well acquainted with the influence of Such association in the Cure of vice — hence his wisdom in ordering the Israelites to Drink a Solution

of &c

of the golden Calf - probably made by hepar Sulphuris - the Nauseous taste of this Solution excited so unpleasant an association with Idolatry that it perfectly cured the Israelites of this vice - 2nd the Smell of it has cured the cure of it in 2 Cases I have known of (Cans)

3rdly This love for ardt Spts has been cured by exciting a Counter Passion - I know a man who in order to allow a drunken wife to kill her Self by Liquor bought a Quarter Cask of Rum & contrary to his usual Custom left the Key of the Cellar in the door his wife Suspecting his intention determined to frustrate it and never drank a drop of the Rum - here the Stimulus of this counter Passion was Stronger than the love for the Liquor & She lived "for Spite" a Sober woman 4thly by Substituting other liquors in the Room as an infusion of Bitters &c I have known this cure in 2 Cases - 5thly By destroying the Association of Motion

Some Persons are in the habit of taking a Dram in the morning - others at noon & Some at night - while Some drink only in certain kinds of Company - Some only at Certain days of the week (as country people and Servants only the morning of market days) Some only at a particular Tavern

here

tavern — here the association should be bro-
-ken by preventing the Patient from going into the places and company where he usually drank or by preventing his drinking at the usual hour day place &c — 6th by abstaining from Spirits in every form — Dr Lettsom says it must be abstracted gradually — I say it should be done at once — Touch not Taste not Smell not should be inscri-
bed on every vessel containing Spirits

The Stimulus of Laudanum may be substituted if necessary for a short time but the Opium had better be given as a watery infusion — Its use may also be prevented by the persons making Solemn Oath not to Touch Ardent Spirits — Of cures thus effected I have known Instances but where the oath was taken for a limited time I have seldom seen much good resulting from it (Cure)

But lastly Religion — the Aid of Religion should be had recourse to and seldom fails to effect a cure — many hundred Sots have been cured by the Religious institutions of the methodists — If Christianity had noth-
-ing else to recommended it than these Salitary establishments — they alone would be sufficient to recommend it to our belief & Its Regulations to our Practice! The next

The next disease of the Alimentary Canal is Cholic

of this I treated when it occurs as an Intestinal State of fever or Bilious fever turned in upon the bowels When this is the case it may be known by being first preceded by a chill - 2nd by its being alternated by a discharge of bile upwards & downwards - 3rd by its being accompanied by febrile Symptoms - Sydenham observed long ago that bilious Cholic is preceded by a chill - The disease we are now treating of is not accompanied with action in the Arterial System but is simply morbid action in the Muscular fibres of the Intestines - The Symptoms of it are a kind of twisting of the Intestines about the Navel a vomiting obstinate Costiveness - Cold feet &c - It is usually called Colica Pictonum or "Dry belly ache" and in some Cases Faeces are discharged by the Mouth - This disease is then fatal - I have never known but one Instance of a recovery after it - it is called Miserere Mei

The causes of it are 1st it is a Symptom of Gout - 2nd It is produced by Certain aliments of a Vapid Nature as Cabbage Sour Kraut - boild Veal - fat Pork &c &c

also

also by fumes of Lead — 3d. It is induced by diseases of the abdomanal viscera as the Kidneys Liver Splean &c — when it proceeds from a disease of the Liver it may be known by the Patients Inability to lie on the Sound Side — when from a disease of the Kidneys it may be known by the altered Secretion of Urine — 4thly It is sometimes a consequence of Ruptures umbilical occur every now & then in women & are the unsuspected cause of this troublesome Complaint — The Exciting causes are most of the remote just now enummerated — also exercise — Cold feet Passions of the Mind — tight Shoes &c — The Premonitory Symptoms are cold feet & Wakefullness — here a purge or a moderate dose of Laudanum will prevent the formation of the disease — The Cure of it is devided into two parts 1st to cure the Paroxysm — & 2nd to prevent its recurrance or if I may use the Term to relieve the Cholicky Diathesis — The Proximate Cause of the disease is Spasm (Tonic or Clonic) — When in the predisposing debility the purge or Opium is not given & the disease is formed the Remedy is blood letting — What! Bleed when there is no

No Inflamation! no fever! yes bleed to prevent fever, to prevent Inflamation - recollect what Morgani says of Patients Dying of the Disease attended with violent fever & exhibiting no marks of disease in the Intestines - that disease may exist in such degree as to transcend Inflamation now this is effectually prevented by bloodletting in the early stage of the disease - It should be used therefore whenever great pain attends to prevent death - but do we see the good effects of blood letting in mitigating diseases of the other viscera as Liver Kidneys &c? when no fever in the System is present? when however pain is not violent or has been reduced by bloodletting Opium may be used combined with Apafoetid in small doses - Dr Quin says it is more effectual when thus used & is more liable to relieve Spasm -

Laxative medacines should also be used also Glysters - Water impregnated with Tobacco Smoke has been used with success as a Glyster - The Glyster should be a copious one and it then acts by distending the bowels - 2 or 3 lbs should be used

They relieve also if Intro Susception be and relax the Spasm (can) Glysters also of

of Cold water may be used - Gum Guiac ℥i dissolved in ℔ii of Water is used in the West Indies with advantage - Crude Mercury has been Recommended I have never seen it used with Success - I used it in one case without advantage - 4th the warm bath Should never be neglected or warm water applied to the abdomen - 5th Blisters Should be applied to the wrists, thighs & ancles - these are often used with advantage. This depends on the great connection between the Skin & bowels Dr Thierry has very properly called them antagonist Muscles - 6th Relaxing warm & Stimulating applications to the abdomen as Asafoetida Laudanum & even warm water & friction may be used with advantage with the dry hand - 7th Cold water all over the Belly - It produces Reaction & a determination to the Skin - For a case of the efficacy of this See my Md Essay - Dr Baxter of S Carolina informed me of a case in wh it was used with great advantage - When all these fail 8th a Salivation Should be excited this is a Certain Remedy - determines morbid action to the mouth & relieves the Bowels - Prognosis - Favorable Symptoms are open bowels - discharge of urine after an absence of it 2d - a discharge of

of . . . . . . 4th a discharge of worms
5thly a great degree of sensibility on the Skin of the extremeties with a kind of soreness this seldom fails to come on if sufficient depletion & especially bloodletting has been used

The Prophylaxis consists 1st in avoiding all the Remote and exciting Causes
It is of consequence too. to guard against Costiveness — A favorite Medicine for this purpose is called the three tartars consisting of equal parts of
Crude Tartar —
Cream of Tartar } Take a Tea Spoonful
& Salt of Tartar } 3 times a day —
2nd a diet of Uniform Aliment — The Marines in England who live principally on fat Pork escape it tho exposed to the fumes of Lead wh is a frequent cause of the Disease —

End of Vol 6th

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RUSH'S
LECTURES
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